

**CITY OF GALVESTON
BROWNFIELDS SITE ASSESSMENT
PILOT PROJECT**

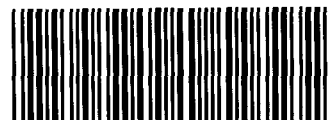
Phase I Environmental Site Assessment Report
for the
City of Galveston Materials Yard
83rd/Cessna Drive
Galveston, Texas 77554

Date Prepared: December 11, 2003
Cooperative Agreement Number: BP98618701-02
BSAPP Document Number: BSAPP-008-03
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December 2003



179647

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ACRONYMS

AST	Aboveground Storage Tank
ASTM	America Society for Testing and Materials
BSAPP	City of Galveston's Brownfields Site Assessment Pilot Project
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Report
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
HL&P	Houston Lighting and Power (Reliant Energy)
LPST	Leaking Petroleum Storage Tank
LUST	Leaking Underground Storage Tank
MAG	Meridian Alliance Group, LLC
MSDS	Material Safety Data Sheet
NFRAP	No Further Remedial Action Planned
NRCS	Natural Resource Conservation Service (formerly Soil Conservation Service)
NPL	National Priority List (aka Federal Superfund)
PCBs	Polychlorinated Biphenyls
ppm	Parts per Million
PST	Petroleum Storage Tank
RCRA	Resource Conservation Recovery Act
RCRIS	Resource Conservation Recovery Information System
SHWS	State Hazardous Waste Sites (aka State Superfund)
TCEQ	Texas Commission on Environmental Quality (formerly TNRCC)
TNRCC	Texas Natural Resource Conservation Commission (now TCEQ)
TPDES	Texas Pollutant Discharge Elimination System
TPH	Total Petroleum Hydrocarbons
TSD	RCRA Treatment, Storage, and/or Disposal Facility
USGS	United States Geological Survey
UST	Underground Storage Tank

1.0 Executive Summary

Site Description: The Site is generally characterized as the City of Galveston Materials Yard. The Site is an approximately 9-acre property located at 83rd and Cessna Drive, Galveston, Texas. The City of Galveston's Public Works Department presently uses the Site for dumping of construction debris, storm sewer cleaning sludge, and road construction raw materials. Additionally, the Galveston Police Department uses a portion of the Site for stables and horse pasture. Historically the Site is part of the Scholes International Airport properties.

Abutting properties include Petroleum Helicopters, Inc. housing, and a mini-storage facility to the north, vacant land and the Scholes Field Airport to the west, vacant lot and Oppe Elementary School to the east, vacant land and the Galveston Police's horse stables to the south.

Significant commercial development on the eastern airport properties, which includes the Materials Yard, indicates a higher and better reuse potential for this Site. This document presents the results of the Phase 1 Environmental Site Assessment prepared by the City of Galveston's Brownfields Site Assessment Pilot Project, and is intended to identify and/or remove environmental roadblocks to redevelopment.

Historical Review: The Site history is listed below:

- 1931 – 1942, Galveston Municipal Airport and Vacant Land
- 1943 – 1945, Galveston Army Airfield and Vacant Land
- 1946 – Present, Municipal Airport, Vacant Land and then the Materials Yard.

The Site has been vacant land until it became the Public Works Department's Materials Yard in 1986. The Public Works Department has been using the Site for storing pre-cast concrete storm sewer pipe and fittings, wood pilings, asphalt, gravel, crushed concrete, and various types of construction debris and fill material.

Agency Review: Other adjacent or abutting environmental sites were identified by the radius search of federal and state environmental databases. Two (2) Leaking Underground Storage Tank sites were identified by the radius search, all within a 1/4 to 1/2-mile radius. Of these, one (1) has had its case closed by the TCEQ. There are two (2) RCRA Small Quantity Generators of hazardous waste identified within a 1/4-mile radius of the site. One (1) Facility Index System/Identification Initiative Program Summary (FINDS) was identified within a 1/4 to 1/2-mile radius.

Site Inspection: Win Turner, P.E., Jason Turner, and Josephine Ives of MAG inspected the Site on December 15, 2003. Significant observations are included in the following list of environmental conditions.

**Recognized
Environmental
Conditions:**

MAG has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-00 for the 9-acre City of Galveston Materials Yard. Any exceptions to, or deletions from, this practice are described in Section 2.0. This assessment has revealed evidence of recognized environmental conditions in connection with the Site. Based on the assessment, recognized environmental conditions of concern include:

- There are many hundreds of yards of mounds accumulated from the years of dumping of construction debris, fill material, other debris, and storm sewer cleaning sludge. The source areas for these materials are unknown, but potential contaminants are suspected, especially in connection with the storm sewer cleaning sludge.
- A truck washout area is present on-site used to wash out the sewer cleaning vacuum trucks, and should be further investigated.
- The horse pasture has large areas that will not support any vegetation and should be sampled for possible contamination.
- A potential but small wetlands area exists in the southwest portion of the site.

Conclusions and

Recommendations: The City of Galveston desires to see the 9-acre Materials Yard reused and redeveloped as a productive commercial site as a part of the Airport Master Plan. Because of this, environmental impairments and roadblocks to redevelopment should be identified and/or removed.

The following are MAG's recommendations for further action:

- Develop a Quality Assurance Project Plan (QAPP) per EPA guidance for conducting a Phase 2 Environmental Site Assessment at the Materials Yard. The QAPP will contain an appropriate scope of work and field sampling plan for conducting the Phase 2.
- Conduct a Phase 2 ESA after approval of the QAPP. The following areas should be included in the Phase 2:
 - Sampling of the many construction debris and fill material piles for possible contamination.
 - Delineation and quantification of the dumped material piles.
 - Sampling of the storm sewer sludge dump area and truck washout area for possible contamination.
 - Limited sampling of subsurface soils and groundwater for infiltrated and leached contaminants.
 - Sampling of the horse pasture area where vegetation will not grow for soil contamination.
 - Surface water and sediment sampling from the drainage ditch area.

Phase 1 Environmental Site Assessment
City of Galveston Material Yard

- Conduct a wetlands determination on the southwest area of the Site. If appropriate, continue with delineation.
- Based on the results of the Phase 2 ESA, prepare a Brownfields Site Assessment Redevelopment Plan for the Site. The Plan should include a proposed cleanup work plan and estimate if appropriate.

2.0 Introduction

2.1 Brownfield Redevelopment Background

Located on Galveston Island, Scholes International Airport is a general aviation facility serving the City of Galveston. The airport was initially developed by the City in 1931, but was leased to the U.S. Army Air Corps in 1943. The Army acquired additional property and constructed three runways. In 1949, the airport was returned to the City, including all abandoned facilities and additional vacant property. The City profited from inheriting the military-improved facility.

A few years ago, a Master Plan was developed for the Airport by the City of Galveston and a Planning Advisory Committee comprised of Texas Department of Transportation officials, Airport Board Members, on-airport businesses, city representatives, community leaders, and other city officials. The previous land acquisitions by the military have provided ample area for both aviation and non-aviation development. Among the non-aviation-related plans, the Master Plan calls for commercial and/or industrial development of the property on east side of the airport. This includes the Materials Yard.

The City of Galveston is a resort destination with an estimated seven million annual visitors. In the summer months, the Island's population doubles in size. The annual Mardis Gras celebration draws nearly a half million visitors each year. The airport is home to some of the Island's largest tourist attractions including Moody Gardens, the Lone Star Flight Museum, and the Texas Aviation Hall of Fame and vintage aircraft. The City is presently completing negotiations with one of the nation's premier water park developers for construction of a major water park attraction to be located on eastern airport property near Moody Gardens. All of these are within 1/4th to 1/2 mile of the Materials Yard.

The 9-acre Site has been vacant land until it became the Public Works Department's Materials Yard in 1986. The Public Works Department has been using the Site for storing pre-cast concrete storm sewer pipe and fittings, wood pilings, asphalt, gravel, crushed concrete, and for dumping various types of construction debris and fill material, including storm sewer cleaning sludge. Very large mounds of debris and fill material have developed on the Site over the years. Additionally, the Galveston Police Department uses a portion of the Site for horse stables and pasture for the mounted police horses.

With the existing and future commercial development of the eastern airport properties, the Materials Yard being in the immediate proximity of these developments, can be put to a much higher and better commercial reuse. The concern is that seventeen years of dumping of fill material, construction debris, and storm sewer cleaning sludge may have caused environmental impairments. The sources of these dumped materials, and any potential contaminants contained therein, are largely unknown and represent a roadblock to redevelopment of the site. For this reason, the City has included the Materials Yard as a Brownfields site, and will conduct Phase 1 and 2 environmental site assessments under the City of Galveston Brownfields Site Assessment Pilot Project (BSAPP). The BSAPP assessments will be used to identify and/or eliminate environmental roadblocks to commercial redevelopment of the Site.

This report presents the results of the Phase 1 Environmental Site Assessment.

2.2 Objectives

The objectives of this Phase I Environmental Site Assessment (ESA) are to i) identify recognized environmental conditions in accordance with the *American Society for Testing and Materials (ASTM) Bulletin E 1527-00*; ii) document the findings in a final report; and, iii) present findings and conclusions. This Phase I ESA meets or exceeds all requirements of ASTM Practice E 1527-00. The format of this Phase I ESA has been modified by Meridian Alliance Group, LLC (MAG) for easier readability and does not follow the suggested ASTM reporting format.

This report is intended to be used in providing a baseline documentation of the current condition of the Site, and also to identify any environmental liabilities, potential problems, or aesthetic concerns that might stem from current or past site activities.

2.3 Scope

The Scope of Work included a review of select historical record resources, a Site visit, and a review of regulatory agency records. Based on the information collected, MAG's findings and conclusions are presented in this report. MAG did not make any assessment, sampling or inquiry associated with asbestos, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, or high voltage power lines. The information used in the assembling of this Phase I ESA was accumulated during a site visit; personal interviews; review of aerial photographs, topographic maps, historical maps, city directories, fire insurance maps, and a review of federal, state, and local regulatory agency records.

2.4 Limitations

This ESA is written for the Site as is and does not take into account any future changes. While impossible to ever guarantee that a site is contaminated or totally free of contamination, MAG believes that reasonable inquiry regarding the Site has been made and that further investigation of the potential environmental liabilities identified herein is warranted.

Under no circumstances does MAG accept responsibility for conditions at the Site, whether those conditions are identified in this report or not, to the extent that MAG neither caused nor contributed to the conditions.

This Phase I ESA report has been prepared for the use and reliance of City of Galveston. MAG assumes no liability or takes no responsibility for the interpretation of the information presented in this report, or any actions taken or not taken as a result of such interpretation by any third party. MAG is not responsible for the accuracy of information supplied by others.

If additional information is discovered following submission of this report, it should be forwarded to MAG for review, and re-evaluation of recommendations and conclusions.

The following limitations were encountered during the preparation of this assessment:

Access Limitations:	None
Physical Obstructions to Observations:	None
Outstanding Information Requested:	None
Other:	None

Limitations and exceptions to the American Society for Testing and Materials (ASTM) Bulletin E 1527-00 scope of work for preparation of this assessment are as follows:

None

3.0 Site Overview

3.1 Site Location and Description

The approximately 9-acre Site is generally characterized as the City of Galveston Materials Yard. The Site is located at 83rd Street and Cessna Drive, Galveston, Texas 77554. Exact legal descriptions were not provided to MAG. The Site Map is shown on Figure 2.

The adjoining properties and surrounding area descriptions are presented below:

North: Cessna Drive, Petroleum Helicopters, Inc., and Mini Storage Facility.

East: 83rd Street, Vacant Land, and Oppe Elementary School.

South: Vacant Lands and Galveston Police Department's horse stable.

West: Terminal Drive, Vacant Land, and Scholes Field Airport.

3.2 Physical Setting

According to the 7.5-Minute Series USGS Topographic Map (29094-C7 GALVESTON, TX), the Site is approximately 3 to 5 feet above mean sea level and the northern, western, eastern, and southern portions of the site appear to drain to the south and southeast. However, years of dumping of construction debris, fill material, and storm sewer cleaning sludge have resulted in large mounds across large portions of the site several feet above base elevation. The closest natural body of water to the Site is Lake Madeline which ties into Offat's Bayou of Galveston's West Bay, and is about 1100 feet to the southeast.

Geology & Hydrology

The following information was obtained from the University of Texas, Bureau of Economic Geology, and the U.S. Department of Agriculture Soil Conservation Service, Texas Agricultural Experiment Station, and the U. S. Geological Survey Quadrangle Map.

Galveston Island is located in the Gulf Coastal Plains physiographic region. The Gulf Coastal Plain is described as gently rolling to a nearly level (flat) plain, which gradually drops in elevation as the plain approaches the Gulf of Mexico. The plain is a sedimentary depositional feature.

The regional geology in the Galveston area consists of sediments that were deposited in fluvial, deltaic, coastal, inter-deltaic and marine shelf environments. Sediments underlying the facility were deposited in the Quaternary Period. Galveston Island formed approximately 4,500 years before present. Depositional environments expressed by these sediments are similar to the currently active depositional environments along and offshore from the present-day Texas Coast. During active deposition, sedimentary wedges prograded into the Gulf of Mexico basin. Repetitive reoccupation of the same depositional sites has produced a sequence of vertically stacked depositional systems comprising varying amounts of sand, silt, clay, and shells. The predominant surficial deposits are marine fill and spoil material.

Water-bearing formations in the Galveston area are, from oldest to youngest: the Catahoula Sandstone, the Oakville Sandstone, and the Lagarto Clay of Miocene age; the Goliad Sand and the Willis Sand of Pliocene age, the Lissie Formation and the Beaumont clay of the Pleistocene age alluvium of Recent age.

Groundwater movement in the uppermost transmissive zones is slow due to the low permeability of the sediments. The clastic transmissive zone material was deposited in saline or brackish water, which has since been partially flushed with fresh water. Most of this fresh water is from direct infiltration of precipitation within the surrounding areas.

Because the uppermost transmissive zones are lenticular in shape and of limited areal extent, the quality of water from these sands is somewhat variable. In the Galveston area, the water produced from the uppermost zones is generally very soft, with bicarbonate and chloride anions. Predominant cations are sodium and calcium. The approximate depth of groundwater is 2 to 3 feet bgs. The general direction groundwater flow in the area is variable and is tidal controlled. It should be noted that the shallow transmissive zones are not used as drinking water sources in the Galveston area and the City of Galveston does not use groundwater on the island.

Soils

The soil consists of a nearly level, poorly drained, nonsaline, sandy soil. It is in the coastal areas. The surface is plane to slightly convex. The slopes range from 0.2 to 1 percent. The mapped areas are irregular in shape and range from 10 acres to several hundred acres. Typically, this soil has a surface layer that is mildly alkaline, dark gray fine sand about 3 inches thick. The upper part of the underlying material, to a depth of 7 inches, is moderately alkaline, grayish brown fine sand. The lower part to a depth of 60 inches is moderately alkaline, gray fine sand. This soil is nonsaline throughout.

This soil is rapidly permeable above the high water table. The surface runoff is very slow. The high water table is within 1 foot of the surface during most of the year. This soil is occasionally flooded by storm tides. Although the surface is generally nonsaline, it becomes slightly saline from salt spray during prolonged dry periods. However, the salt is readily leached from the soil during rainy periods. This soil is also susceptible to wind erosion if it is left unprotected after being disturbed.

3.3 Water/Gas/Oil Well Search

Four databases were used to locate nearby water wells and oil/gas wells. There are no water wells, there are no public water supply wells, and there are no oil or gas wells that are shown on Figure 3C. Appendix E contains the database information:

The Federal Database Well Information indicates that there are no federal public water supply wells within a ½ to one-mile radius of the site.

The State Database Water Well Information indicates that there are no state supply wells within a one-mile radius of the site.

Public Water Supply System Information indicates that there are no public water supply wells within a one-mile radius of the site.

State Oil/Gas well Information indicates there no oil or gas wells, within a 1/2 to one-mile radius of the site.

4.0 Historical Review

MAG has gathered various sources to develop a history of previous uses of the Site and surrounding area in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Site. A summary of findings of each historical source and any recognized environmental conditions are presented below.

4.1 Aerial Photographs

Aerial photographs that depict the Site, the adjoining properties and surrounding areas were obtained from Environmental Data Resources, Inc. and reviewed for the years 1958, 1969, 1979, 1987, and 1996. Copies of aerial photographs are presented in Appendix A.

Photograph Year: 1958
Source: EDR
Approximate Scale: 1" = 500'

The subject Site appears undeveloped. A medium size structure shows adjacent to the southwest portion of the Site. No areas of environmental concern appear in this photograph. There are various sizes of structures located on the north side of the Site. No signs of dumping are apparent.

Photograph Year: 1969
Source: EDR
Approximate Scale: 1" = 500'

The subject Site appears undeveloped. A medium size structure shows adjacent to the southwest portion of the Site. No areas of environmental concern appear in this photograph. There are various sizes of structures located on the north side of the Site. No signs of dumping are apparent.

Photograph Year: 1979
Source: EDR
Approximate Scale: 1" = 500'

The subject Site appears undeveloped. A medium size structure shows adjacent to the southwest portion of the Site. No areas of environmental concern appear in this photograph. There are various sizes of structures located on the north side of the Site. No signs of dumping are apparent.

Photograph Year: 1987
Source: EDR
Approximate Scale: 1" = 500'

The subject Site appears undeveloped. A medium size structure shows adjacent to the southwest portion of the Site. There are commercial properties to the north and some vacant lots to the east and south of the Site. It appears that dumping of materials on the Site has commenced.

Photograph Year: 1996
Source: EDR
Approximate Scale: 1" = 500'

The subject Site appears undeveloped, and much as it is today. A medium size structure shows adjacent to the southwest portion of the Site that is identified as the Police horse stables. There are commercial properties to the north and some vacant lots to the east and south of the Site. It appears that dumping of materials on the Site has continued and mounding is apparent.

4.2 Topographic Maps

Aerial photographs that depict the Site, the adjoining properties and surrounding areas were obtained from Environmental Data Resources, Inc. and reviewed for the years 1930, 1943, 1954, 1969, 1974 and 1994. Copies of the topographic maps are presented in Appendix B.

Topographic Map - Year: 1930
Source: EDR

The topographic map depicts that the subject Site is vacant.

Topographic Map - Year: 1943
Source: EDR

The topographic map depicts that the subject Site is vacant.

Topographic Map - Year: 1954
Source: EDR

The topographic map for 1954 depicts that there are structures located on the north, southwest, and east side of the Site. Otherwise, the site is vacant.

Topographic Map - Year: 1969
Source: EDR

The topographic map for 1969 depicts that there are structures located on the north and southwest side of the Site. Otherwise, the site is vacant.

Topographic Map - Year: 1974
Source: EDR

The topographic map for 1974 depicts that there are structures located on the north and southwest side of the Site. Otherwise, the site is vacant.

Topographic Map - Year: 1994
Source: EDR

The topographic map for 1994 depicts that there is a structure located on the north and southeast side of the Site. Otherwise, the site is vacant.

4.3 City Directories

City directories are used to identify facilities on a site, the adjoining properties, or the immediate site vicinity that generate, use, store, treat, or dispose of potentially hazardous materials or petroleum products.

No City Directories are available for the subject Site.

4.4 Fire Insurance Maps

Sanborn Fire Insurance maps depict buildings, construction materials, subsurface utilities, ASTs/USTs, wells, business names, street addresses, etc. for various years in which they were available.

There is no Sanborn Map Coverage available for the subject Site.

4.5 Interviews

An interview was conducted with Mr. Gilbert Robinson, Fire Marshall relative to an emergency response or structural fires. He indicated that there are no reported incidents at the subject Site.

An Interview was conducted with Mr. Hud Hopkins, Scholes International Airport Manager.

Records of Communication for these interviews are presented in Appendix C.

5.0 Site Inspection and Observations

Win Turner, P.E., Jason Turner, and Josephine Ives of MAG inspected the Site on December 15, 2003. Mr. Hud Hopkins, the airport Manager and his Crew Chief were present for most of the inspection. The inspections were conducted in all accessible areas of the site and by walking the entire perimeter of the Site. The Site was accessible from 83rd Street, Cessna Drive, and Terminal Drive. Access to the interior of the Site was from the driveways and walkways within the Site. The adjoining properties were inspected from the Site and accessible rights-of-way. Observations presented below were indicative of the conditions of the Site at the time of the Site inspections. Site Photographs are presented in Appendix D.

5.1 Hazardous Substances in Connection with Identified Uses

Mr. Hopkins, the Airport Manager, pointed out the areas where the storm sewer cleaning sludge was dumped. No other obvious hazardous substances were identified, but the source of the various debris piles and fill material is unknown.

5.2 Hazardous Substance Containers and Unidentified Substance Containers

There are several five (5) gallon buckets of road repair tar located at the subject Site.

5.3 Onsite Storage Tanks

There are no storage tanks located at the subject Site.

5.4 Indications of PCBs

Polychlorinated Biphenyl (PCB) compounds are coolants or lubrication oils formerly used in some electrical transformers, light ballasts, electrical panels or other similar equipment. The PCB content in electrical transformers has been divided into three categories by the EPA. Those units, which contain less than 50 parts per million (ppm), are defined PCB free and those units which contain between 50 ppm and 500 ppm of PCBs and are defined as PCB-Contaminated. Units with PCB content greater than 500 ppm are classified as PCB-Containing.

A letter from Reliant Energy (HL&P) stated their transformers in this area complies fully with the U. S. Environmental Protection Agency regulations as PCB free. The letter is attached in Appendix F.

5.5 Indications of Solid Waste Disposal

There several are large mounds and piles of construction debris, old asphalt road materials, wood pilings, concrete sewer pipes and fittings, crushed concrete, asphalt, bicycles, buckets, and various other types of debris located at the site. The Site photographs are attached in Appendix D. Many of the mounds and piles are overgrown with vegetation.

5.6 Physical Setting Analysis - Migrating Hazardous Substances

Hazardous materials released on the Site would likely be transported off site via rain runoff and drainage ditches surrounding the Site.

5.7 Other Conditions of Concern

Pits, Sumps, Drywells and Catch-basins

No pits, drywells, or catch basins were noted.

Storm Water Drainage

Storm water run-off flows generally to the south and southeast into drainage ditches ultimately flowing to Galveston's West Bay.

Soil Staining or Discoloration

The only soil staining or discoloration noted at the subject Site was adjacent to the asphalt storage area, and appeared to be asphalt residue.

Means of Site Access

The Site is accessible from 83rd Street on the east, Cessna Drive on the north, and Terminal Drive on the west. The entrance to the Site is located on Cessna Drive to the north.

Natural Features

The Site contains no natural water bodies, streams/bayous, rare or unusual vegetation, erosion plains, springs, etc.

Landfill, Dumping or Direct Burial Activity

Common problems associated with landfills include methane generation/migration and contamination leachate generation/migration.

Other than the dumping of debris previously noted, no landfills or direct burial activity were observed on the Site.

Surface Impoundments or Holding Ponds

No surface impoundments or holding ponds were observed on the Site. There is a drainage ditch on the southwest side of the site that appears to be full of water year around.

Air Emissions - Wastewater Discharge

No air emissions were observed on the Site. No wastewater discharges associated with manufacturing or Site operations were observed on the Site.

Industrial and Manufacturing Activities

No industrial or manufacturing activities were observed at the Site.

Monitoring Wells or Remedial Activities

No monitoring wells or remedial activities were observed at the Site.

Leachate or Seeps

No leachate or seeps were observed on the Site during the inspection.

Dead, Distressed, Discolored or Stained Vegetation

There are large areas on the horse pasture part of the site with no vegetation, and Mr. Hopkins indicated a concern that no vegetation will grow there. He requested these areas be sampled for contamination.

Chemicals Spills or Releases

No obvious signs of chemical spills or releases were observed on the Site during the inspection.

Surface Water Contamination

No evidence of surface water contamination was observed on the Site during the inspection.

Oil or Gas Well Exploration, Abstraction, or Refinery Activities

No oil or gas related operations were observed on the Site.

Chemical Gases, Petroleum Products or Foul Odors

No chemical gases, petroleum product odors or other foul odors were observed on the Site during the inspection.

Farm Waste Concerns

No farm waste concerns were observed on the Site, but a horse stable and pasture is part of the site. However, the number of horses stabled at the site is limited.

Bulk Chemical Storage Areas

Other than the asphalt pile, no bulk chemical storage areas were observed on the Site during the inspection.

Observed Railroad Spurs and Electrical Power Transmission Lines

No railroad spurs were observed on the Site.

High voltage electrical transmission lines are located on the western, northern, and eastern portions of the Site, and one main set of lines transverse the site north to south from a nearby substation.

Waterwells, Cisterns, and Septic System

Waterwell annular space could provide an enhanced migration pathway for contaminants. No waterwells, or cisterns were observed on the Site.

Underground Utilities

Underground utilities can provide a pathway for the migration of hazardous materials after a release.

Utility locations, easements, right-of-ways were not located as part of this ESA. Maps are located in the City of Galveston Public Works Department, City Hall, 823 Rosenberg.

During the site investigation we found a natural gas pipeline, and two fire hydrants on the northern edges of the Site.

Heavy Equipment

The city currently maintains the Site as the Material yard and various types of heavy equipment, mainly trucks, will be in and out of the Site.

Discharges, Leachate, Migration or Run-off of Potential Contaminates from an Off Site Source onto the Site

No evidence of discharges, leachate or migration of potential contaminants from off-site sources onto the Site were observed during the Site inspection.

Compliance Issues (Right-to-Know, NPDES, SPCC Plans)

Based on conditions observed at the Site, no NPDES Permits are required for the Site at this time. The requirement for a Spill Prevention Control and Countermeasures (SPCC) Plan is triggered by storage of oil products in an above ground tank or container in excess of 1,320 gallons total. A TPDES construction

storm water permit and appropriate storm water sediment control will be required for construction.

5.8 Non-Scope Areas of Concern

Wetlands Issues

The National Wetland Inventory information was obtained from the U.S. Fish and Wildlife Service. The subject property has a small wetlands type area on the southwest side of the site. It is not known if these would be considered merely drainage features, or jurisdictional wetlands under the U. S. Army Corps of Engineers' rules. A wetlands determination and delineation should be conducted prior to construction activities.

Asbestos Containing Materials

ACM is defined by regulatory agencies as a material containing greater than one-percent asbestos. In order to define a material as non-ACM, a minimum number of samples must be collected and analyzed dependent upon the type and quantity of the homogeneous material. OSHA regulations require that certain materials found in buildings constructed prior to 1980 be presumed to be ACM, unless analyzed and proven otherwise.

No apparent ACM was noted during the inspection; however, no samples were collected.

Radon

Radon is a naturally occurring radioactive gas that is produced by the radioactive decay of uranium. It has no smell, taste and cannot be seen. High concentrations of radon can be found in soils and rocks containing uranium, granite, shale, phosphate, and pitchblende. Radon can accumulate inside an enclosed structure to levels that can pose a risk to human health. The risk generally increases as the level of radon and the duration of exposure increases.

MAG reviewed the U.S. EPA's Map of Radon Zones for Texas regarding radon concentrations in the State of Texas. This map was produced in conjunction with the USGS and is based on a statewide study of uranium geologic features with high potential for radon. All counties within the state have been assigned to one of three zones as determined by their predicted average screening level for radon. Geologic provinces in Zone 1 have a predicted average screening level greater than 4 picoCuries per liter (pCi/l). Zone 2 has a predicted average screening level of less than 2 pCi/l and Zone 3 corresponds to a predicted average screening level of less than 4 pCi/l.

The map indicates that Galveston County was assigned to Zone 3, the category having the least potential for radon hazard.

6.0 Regulatory Review

MAG contracted Environmental Data Resources, Inc. (EDR) to conduct a search of available environmental records. The reports meet the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Latitude of N29° 15' 48" and Longitude of W97° 51' 10" was used as the center of the ASTM regulatory database radius search. The Government Records Database Search is included in Appendix E. A summary of the search is included in Table 1. Map plots of the sites located by the search are presented in Figures 3A, 3B, and 3C.

6.1 Databases Searched with No Sites Located

No sites were found in the search of available ("reasonably ascertainable") government records either on the subject property, or within the ASTM E 1527-00 search radius around the subject property for the following databases:

FEDERAL ASTM STANDARD

NPL.....National Priority List
Proposed NPLProposed National Priority List Sites
CERCLISComprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....CERCLIS No Further Remedial Action Planned
CORRACTSCorrective Action Report
RCRIS-TSD.....Resource Conservation and Recovery Information System
RCRIS-LQGResource Conservation and Recovery Act - Large Quantity Generators
ERNSEmergency Response Notification System

STATE ASTM STANDARD

SHWSState Hazardous Waste Site/Superfund Registry
SWF/LF.....Permitted Solid Waste Facilities
CLIClosed and Abandoned Landfills
UST.....Petroleum Storage Tank Database
TX VCPVoluntary Cleanup Program Database

FEDERAL ASTM SUPPLEMENTAL

CONSENTSuperfund (CERCLA) Consent Decrees
RODSuperfund (CERCLA) Record of Decision
Delisted NPLNational Priority List Deletions
HMIRSHazardous Materials Information Reporting System
MLTSMaterial Licensing Tracking System
MINESMines Master Index File
NPL LiensNPL Liens
PADSPCB Activity Database System
DODDepartment of Defense Sites

US BrownfieldsA Listing of Brownfields Sites
RAATSRCRA Administrative Action Tracking System
TRISToxic Chemical Release Inventory System
TSCAToxic Substance Control Act
SSTSSection 7 Tracking Systems
FTTS INSPFIFRA/TSCA Tracking System – FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

ASTPetroleum Storage Tank Database
IOPInnocent Owner/Operator Program
TX SPILLSTexas Spills
INST CONTROLSites with Institutional Controls
MultimediaMulti Media Enforcement Cases
Ind. Haz WasteIndustrial and Hazardous Waste Database
WasteMgtWaste Management
AIRSAerometric Information Retrieval System Facility Subsystem

EDR PROPRIETARY DATABASES

Coal GasFormer Manufactured gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BrownfieldsA Listing of Brownfields Sites
BrownfieldsBrownfields Site Assessments
TX VCPVoluntary Cleanup Program Database

6.2 Databases Searched With Sites Located

Several sites were found in the search of available (“reasonably ascertainable”) government records either on the subject property, or within the ASTM E 1527-00 search radius around the subject property for the following databases:

FEDERAL ASTM STANDARDS

RCRIS-SQGResource Conservation and Recovery Act - Small Quantity Generators

The RCRA database includes selected information on site that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRA-SQG list has revealed that there are two (2) RCRIS-SQG sites within approximately 0.25 miles of the subject property.

- Air Logistics, 8420 Airport Blvd., 1/8 – 1/4 N.
- Petroleum Helicopters, Inc., 2115 Terminal Road, No. 19, 1/4 – 1/2 N.

STATE ASTM STANDARDS

LUST.....Leaking Underground Storage Tanks

The LUST reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Texas Natural Resource Conservation Commission's Leaking Petroleum Storage Tank Database.

A review of the LUST list has revealed that there are two (2) LUST sites within a 1/2-mile radius of the subject property.

- Transportation Dept., 2929 83rd Street, 1/8 – 1/4 SE.
- Moody Gardens Development, Galveston Airport, 1/4 – 1/2 NNE.

Of these 2 LUST sites, one case is reported as closed by the TCEQ. The other is at the nearby Galveston Independent School District Transportation Department and shows as still open (Status: Preassessment/Release Determination).

FEDERAL ASTM SUPPLEMENTAL

FINDSFacility Index System/Facility Identification Initiative Program Summary

FINDS contains both facility information and Pointers to other sources that contain more detail. A review of the FINDS list has revealed that there is one (1) FIND sites within 1/2-mile radius of the subject property.

- Petroleum Helicopters, Inc., 2115 Terminal Road, No. 19, 1/4 – 1/2 N.

Due to poor or inadequate address information, the following sites were not mapped:

Falstaff Brewing Company, 33rd Street and Church - INST CONTROL, TX VCP
Home Depot Tract, IH-45 and 65th Street – INST CONTROL, TX VCP
71st Street – Post Office Road – SWF/LF
Galveston County Landfill, 1.5M W. IH 45/FM 1764 and FM 2004 – SWF/LF
Galveston County Landfill, 1500 of FM 1764 – SWF/LF
5515 Port Industrial Blvd. – SWF/LF
At the 700 Block of Port Industrial – SWF/LF
Galveston Fire Dept. Training Field, 59th Street – LUST
Galvez Mall, NWC 61st Street and IH-45S – TX VCP
SPTCO Galveston Wharves Site, 4100 Old Port Industrial Blvd. – TX VCP
Texas City Land, IH 45 and FM 2004 – CLI
Galveston County Dump, directly S of 7 Mile Road/FM 3005 – CLI
Old Galveston Landfill, N. of Port Industrial Blvd. – CLI
League City, 1 Mi. NE of City Hall – CLI
Texas City, W. side of Bay Street Extension - CLI

7.0 Findings, Conclusions and Recommendations

FINDINGS

MAG has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-00 for the 9-acre City of Galveston Materials Yard. Any exceptions to, or deletions from, this practice are described in Section 2.0. This assessment has revealed evidence of recognized environmental conditions in connection with the Site. Based on the assessment, recognized environmental conditions of concern include:

- There are many hundreds of yards of mounds accumulated from the years of dumping of construction debris, fill material, other debris, and storm sewer cleaning sludge. The source areas for these materials are unknown, but potential contaminants are suspected, especially in connection with the storm sewer cleaning sludge.
- A truck washout area is present on-site used to wash out the sewer cleaning vacuum trucks, and should be further investigated.
- The horse pasture has large areas that will not support any vegetation and should be sampled for possible contamination.
- A potential but small wetlands area exists in the southwest portion of the site.

CONCLUSIONS AND RECOMMENDATIONS

The City of Galveston desires to see the 9-acre Materials Yard reused and redeveloped as a productive commercial site as a part of the Airport Master Plan. Because of this, environmental impairments and roadblocks to redevelopment should be identified and/or removed.

The following are MAG's recommendations for further action:

- Develop a Quality Assurance Project Plan (QAPP) per EPA guidance for conducting a Phase 2 Environmental Site Assessment at the Materials Yard. The QAPP will contain an appropriate scope of work and field sampling plan for conducting the Phase 2.
- Conduct a Phase 2 ESA after approval of the QAPP. The following areas should be included in the Phase 2:
 - Sampling of the many construction debris and fill material piles for possible contamination.
 - Delineation and quantification of the dumped material piles.
 - Sampling of the storm sewer sludge dump area and truck washout area for possible contamination.
 - Limited sampling of subsurface soils and groundwater for infiltrated and leached contaminants.
 - Sampling of the horse pasture area where vegetation will not grow for soil contamination.
 - Surface water and sediment sampling from the drainage ditch area.
- Conduct a wetlands determination on the southwest area of the Site. If appropriate, continue with delineation.

- Based on the results of the Phase 2 ESA, prepare a Brownfields Site Assessment Redevelopment Plan for the Site. The Plan should include a proposed cleanup work plan and estimate if appropriate.

TABLE

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CLI		0.500	0	0	0	NR	NR	0
LUST		0.500	0	1	1	NR	NR	2
UST		0.250	0	0	NR	NR	NR	0
TX VCP		0.500	0	0	0	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0
TX Spills		TP	NR	NR	NR	NR	NR	0
IOP		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.250	0	0	NR	NR	NR	0
Multimedia		TP	NR	NR	NR	NR	NR	0
Ind. Haz Waste		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
WasteMgt		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
TX VCP		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

FIGURES



**FIGURE 1
AREA LOCATION MAP**

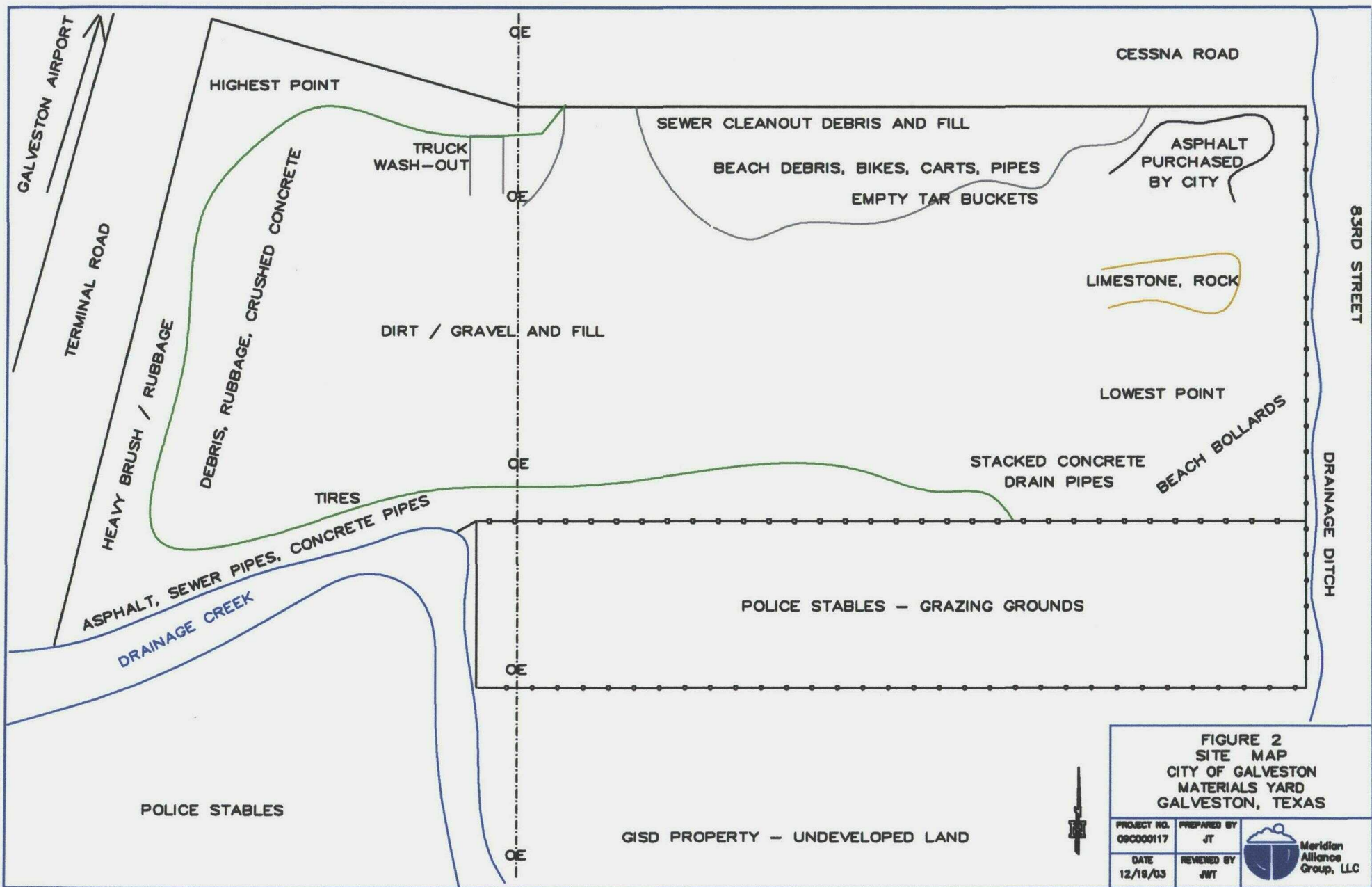
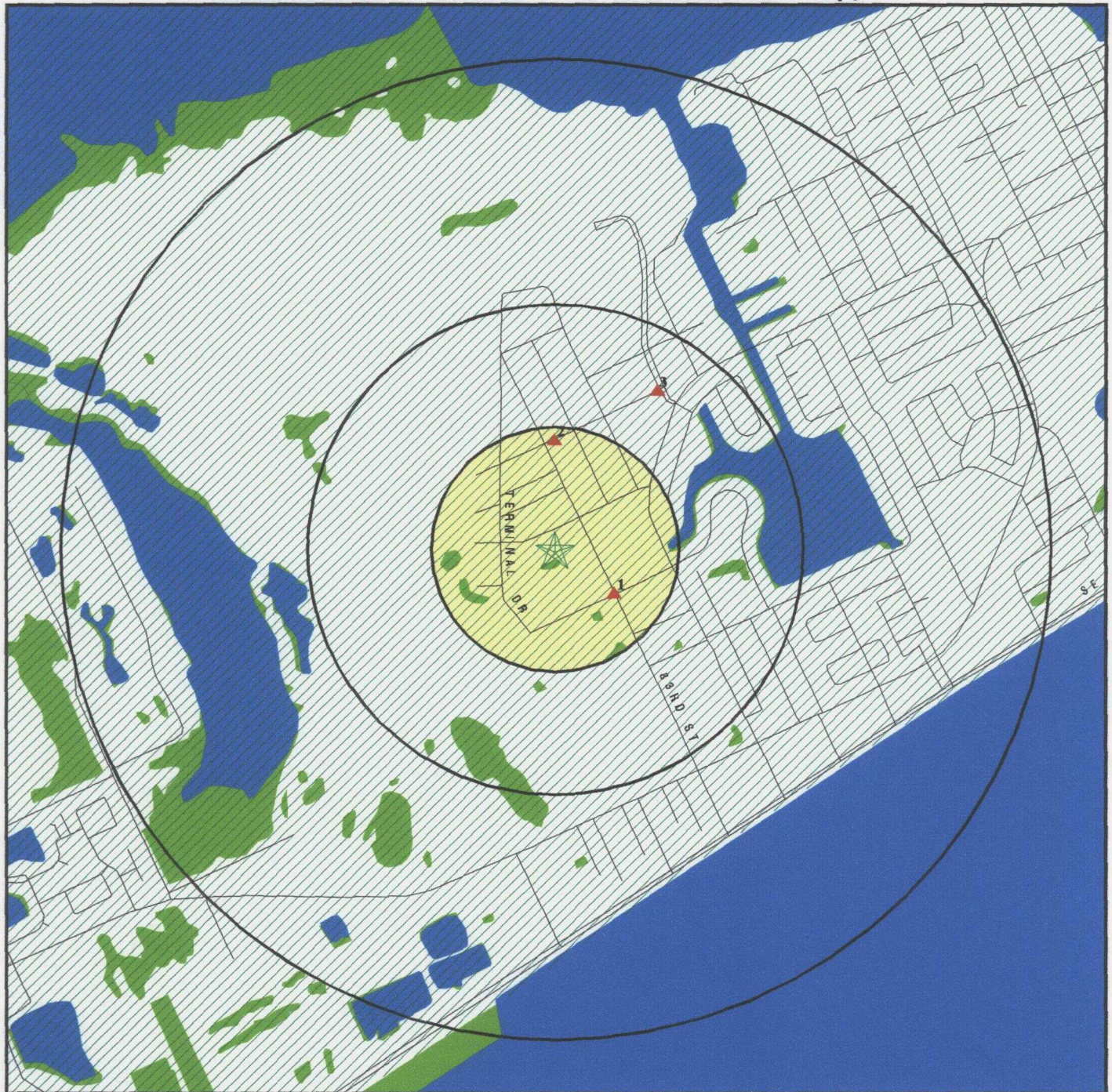


FIGURE 2
SITE MAP
CITY OF GALVESTON
MATERIALS YARD
GALVESTON, TEXAS

PROJECT NO. 09C000117	PREPARED BY JT	 Meridian Alliance Group, LLC
DATE 12/18/03	REVIEWED BY JMT	

OVERVIEW MAP - 1096961.3s - Meridian Alliance Group, LLC



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands





0 1/4 1/2 1 Miles

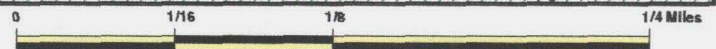
FIGURE 3A
Sites of Environmental Concern

TARGET PROPERTY: City of Galveston Material Yard
ADDRESS: 2529 83rd Street
CITY/STATE/ZIP: Galveston TX 77554
LAT/LONG: 29.2633 / 94.8528

CUSTOMER: Meridian Alliance Group, LLC
CONTACT: Josephine Ives
INQUIRY #: 1096961.3s
DATE: December 10, 2003 7:08 pm

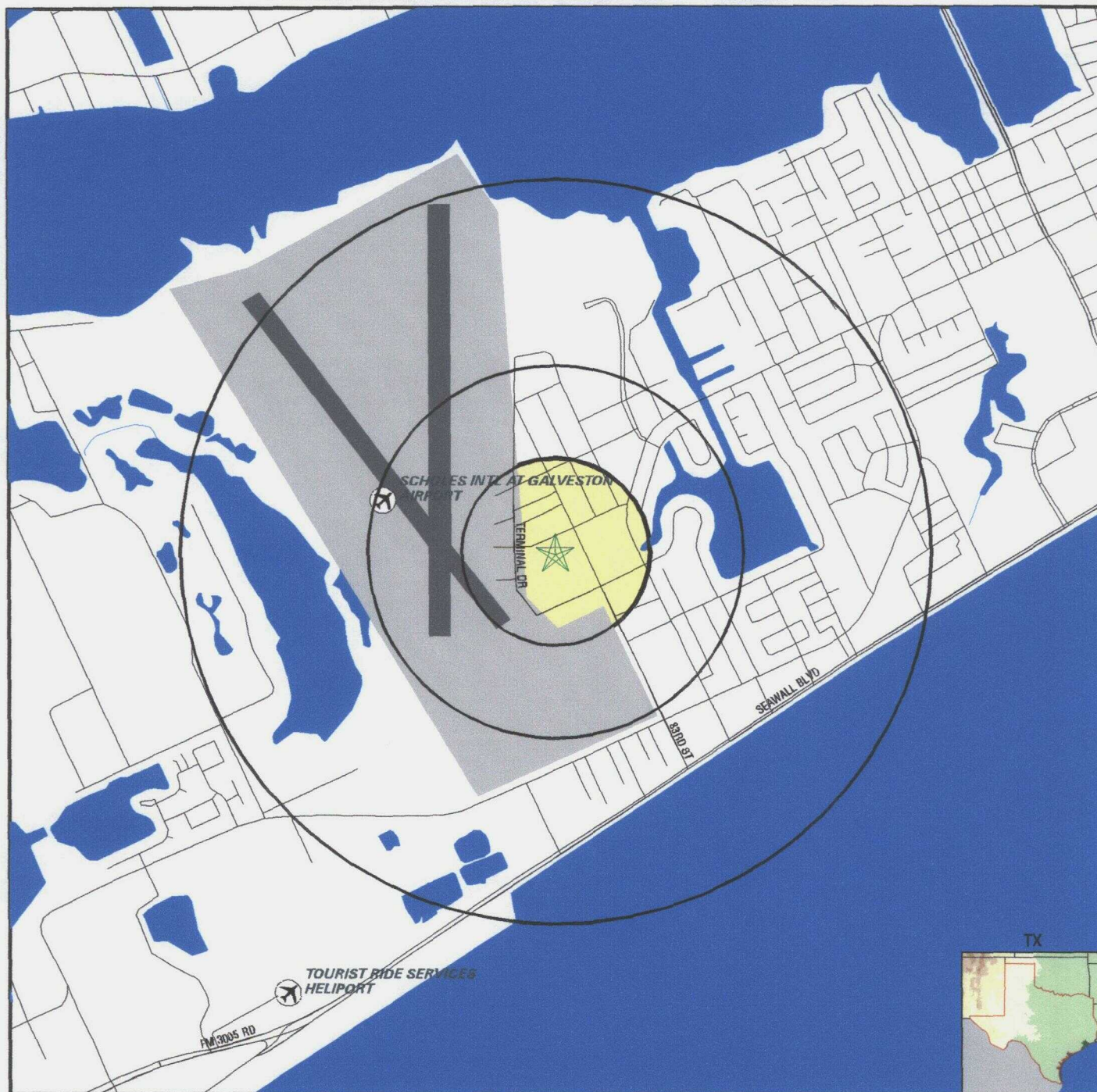
Copyright © 2003 EDR, Inc. © 2003 GDT, Inc. Rel. 07/2002. All Rights Reserved.

-  Oil & Gas pipelines
 100-year flood zone
 500-year flood zone
 Federal Wetlands



CUSTOMER: Meridian Alliance Group, LLC
CONTACT: Josephine Ives
INQUIRY #: 1096961.3s
DATE: December 10, 2003 7:09 pm

PHYSICAL SETTING SOURCE MAP - 1096961.3s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil or gas wells (in certain Texas counties)

No contour lines were detected within this map area.

FIGURE 3C
Sites of Environmental Concern

TARGET PROPERTY: City of Galveston Material Yard
ADDRESS: 2529 83rd Street
CITY/STATE/ZIP: Galveston TX 77554
LAT/LONG: 29.2633 / 94.8528

CUSTOMER: Meridian Alliance Group, LLC
CONTACT: Josephine Ives
INQUIRY #: 1096961.3s
DATE: December 10, 2003 7:09 pm

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APPENDIX A

Aerial Photographs



**The EDR-Aerial Photography
Print Service**

**City of Galveston Material Yard
2529 83rd Street
Galveston, TX 77554**

December 15, 2003

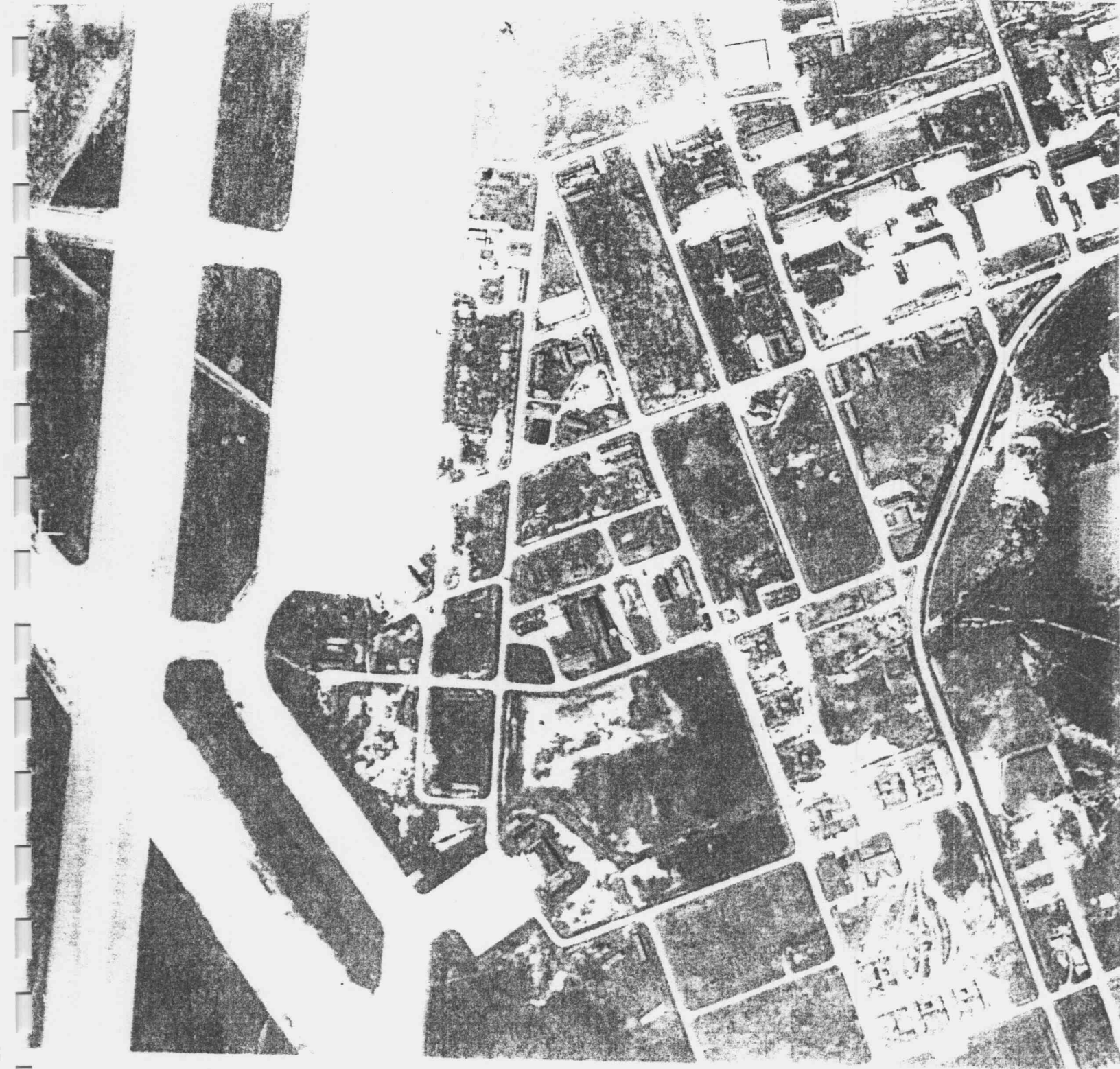
Inquiry Number: 1096961-6

***The Source
For Environmental
Risk Management
Data***

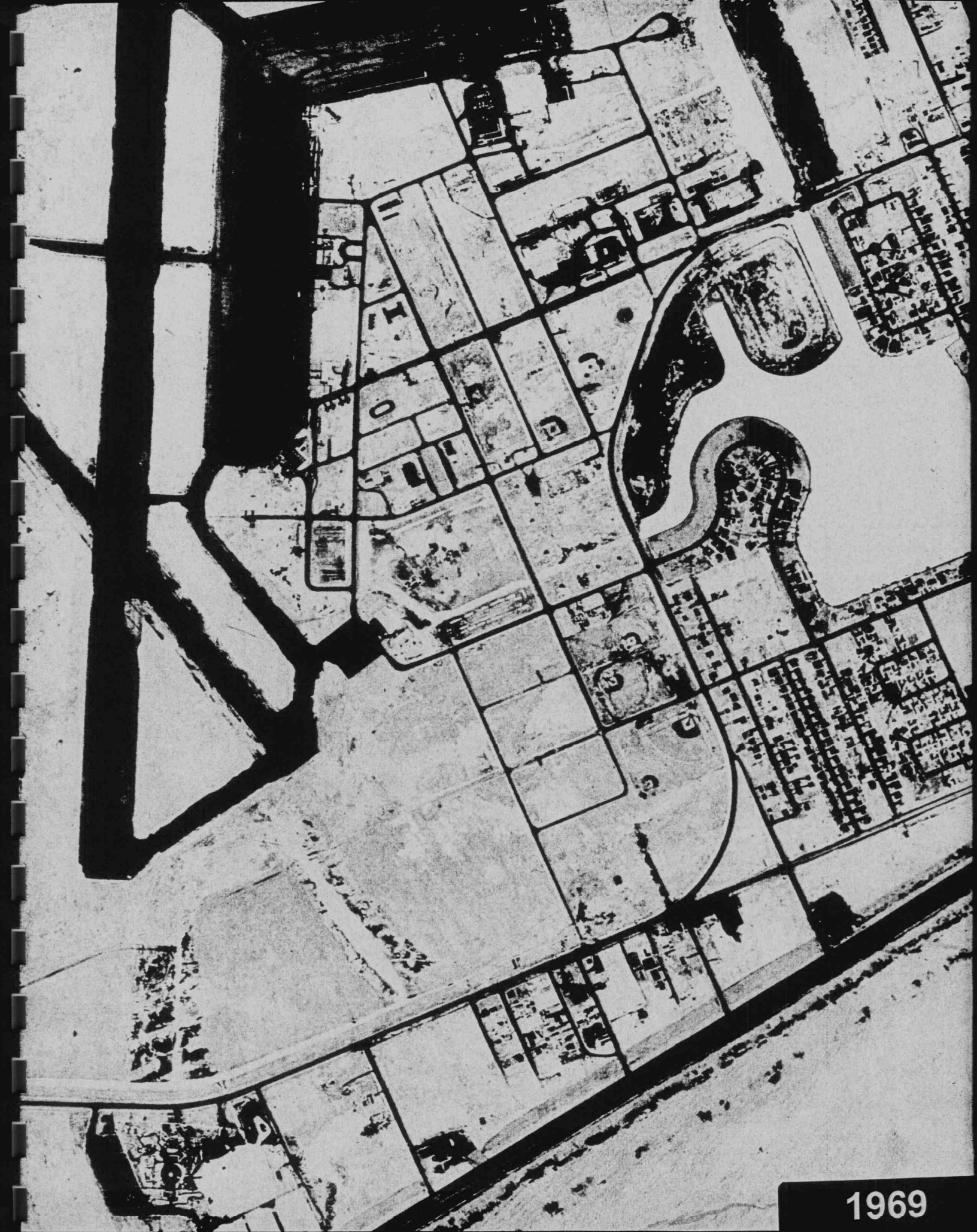
**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

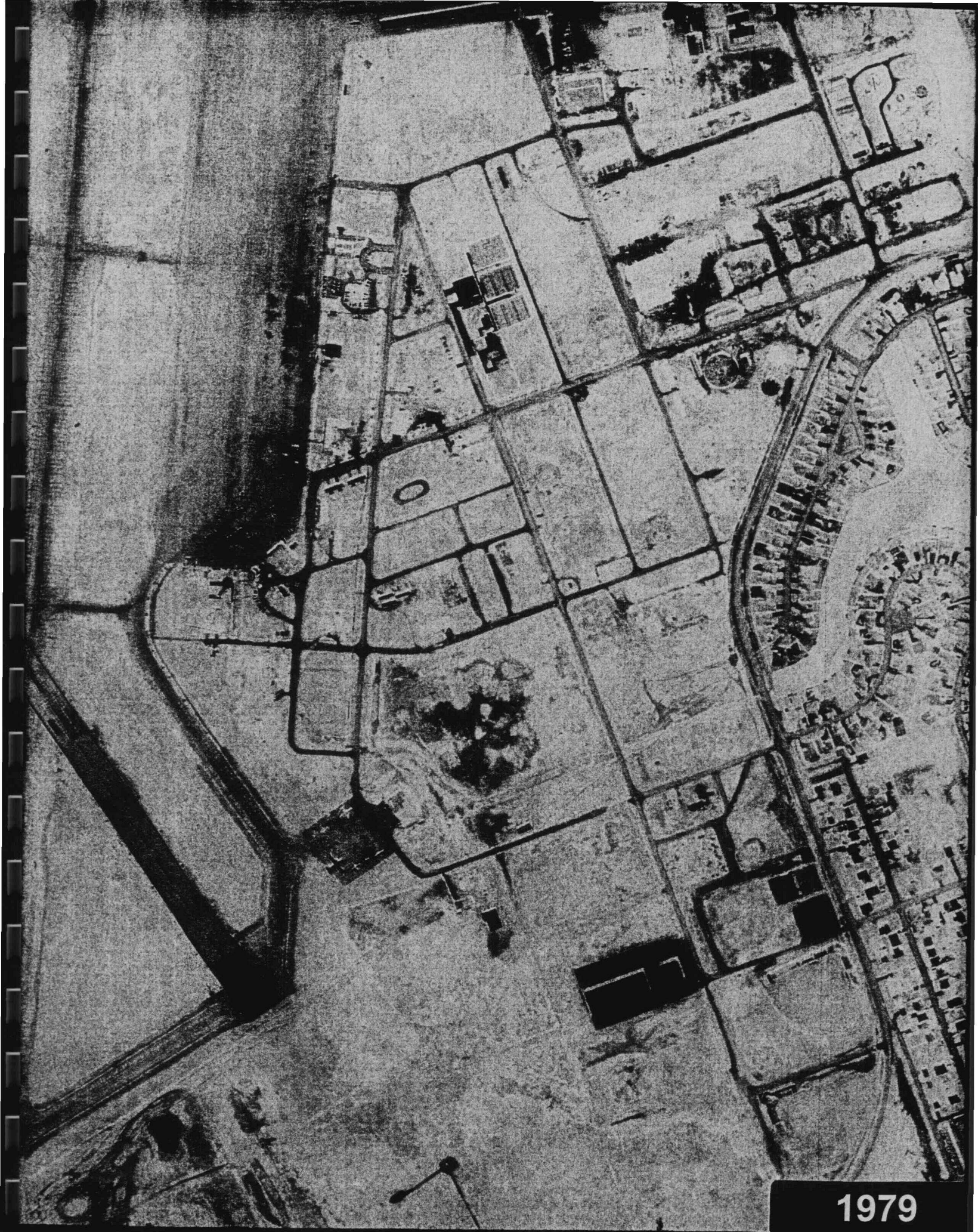
**Telephone: 1-800-352-0050
Fax: 1-800-231-6802**



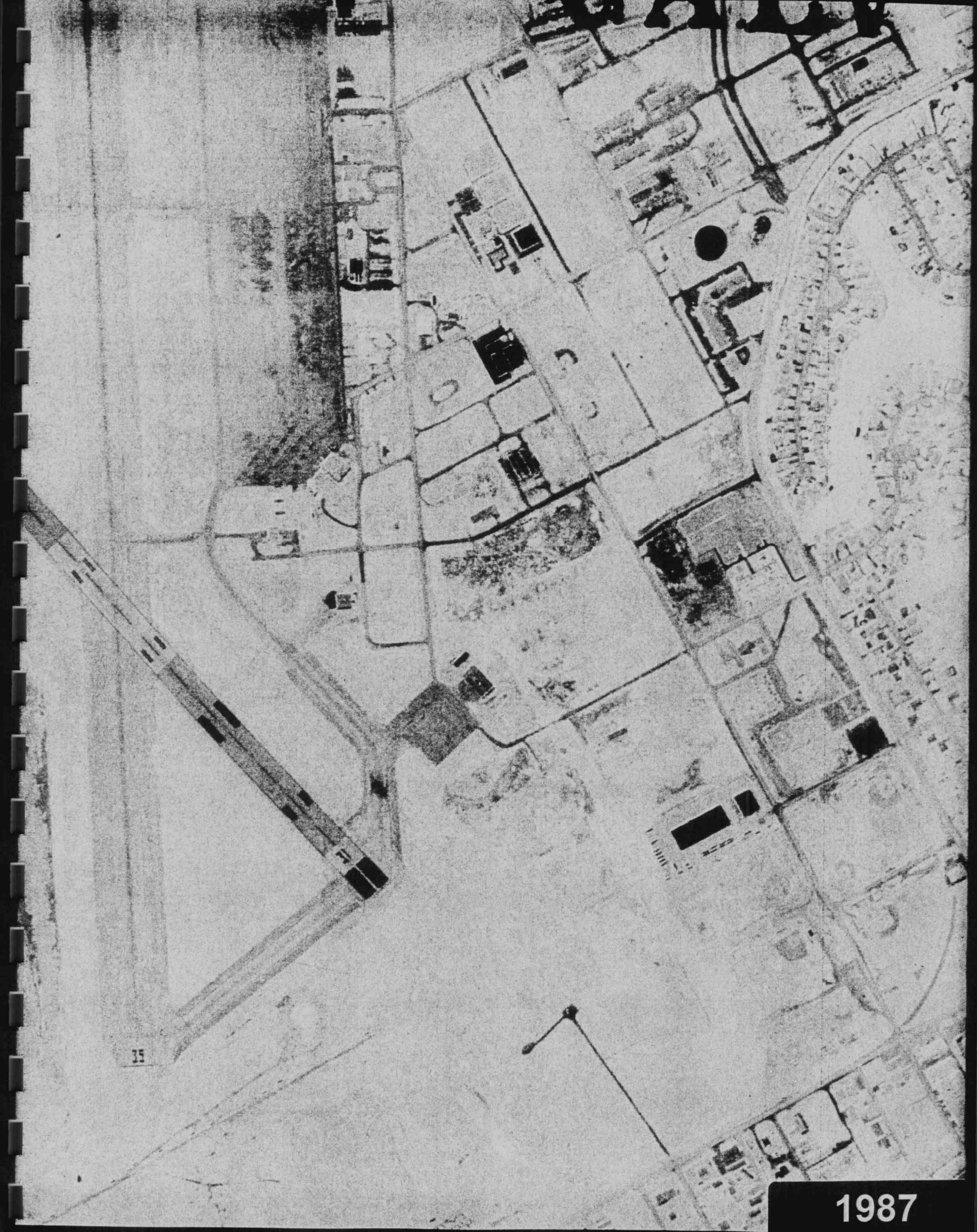
1958



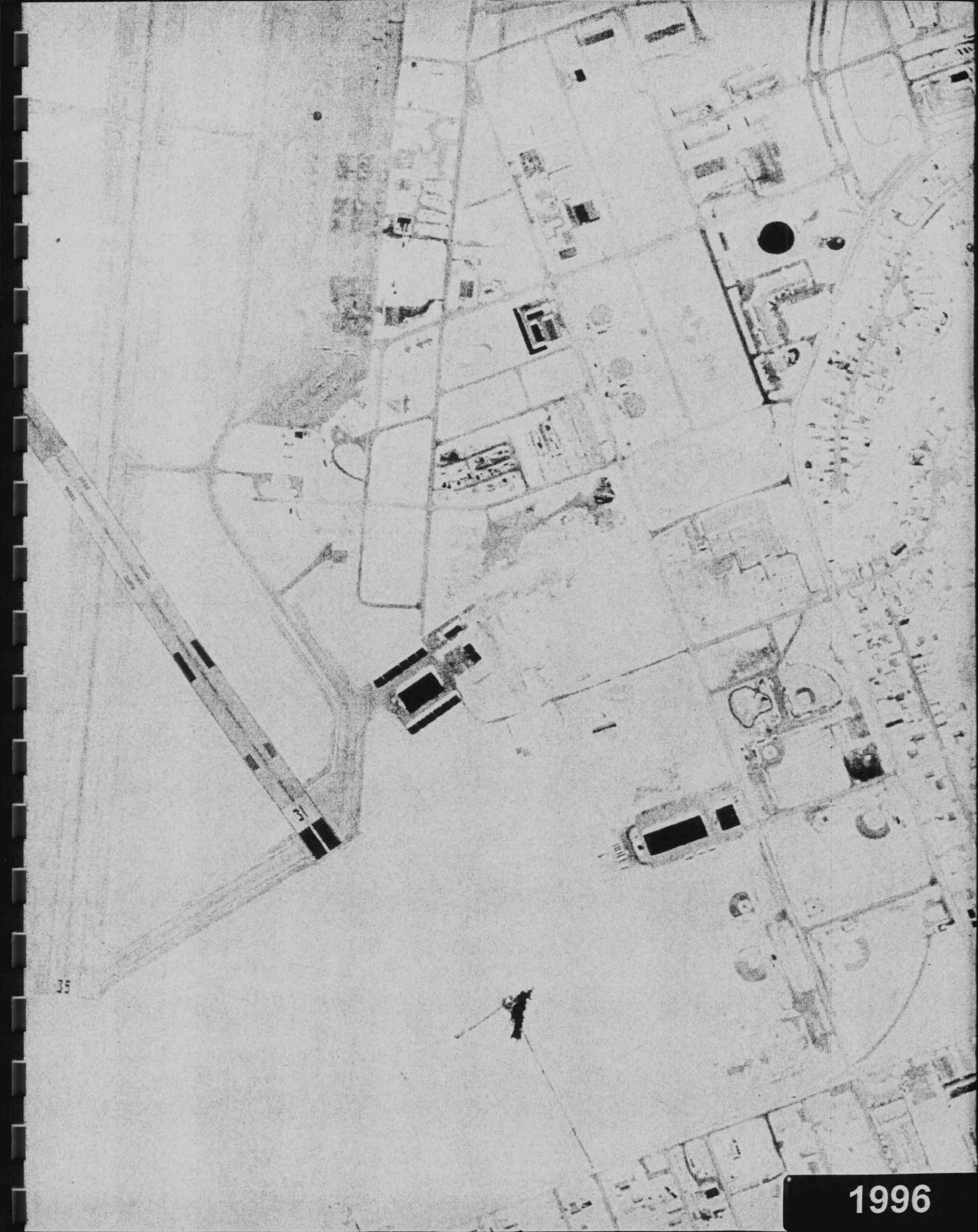
1969



1979



1987



1996

EDR Sanborn, Inc. Aerial Photography Print Service

EDR Sanborn, Inc.'s (EDR Sanborn) Aerial Photography Print Service is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2, page 11.)

Aerial Photographs

Aerial photographs are a valuable historical resource for documenting past land use and can be particularly helpful when other historical sources (such as city directories or fire insurance maps) are not reasonably ascertainable. The EDR Sanborn Aerial Photograph Print Service includes a search of local aerial photograph collections flown by state and federal agencies for the state of Texas. EDR Sanborn's professional field-based researchers provide digitally reproduced historical aerial photographs at ten year intervals.

Please call EDR Sanborn, Inc. Nationwide Customer Service at
1-800-352-0050 (8am-3pm ET)
with questions or comments about your report.
Thank you for your business!

Disclaimer

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APPENDIX B

Topographic Maps



**The EDR-Historical
Topographic Map
Report**

**City of Galveston Material Yard
2529 83rd Street
Galveston, TX 77554**

December 15, 2003

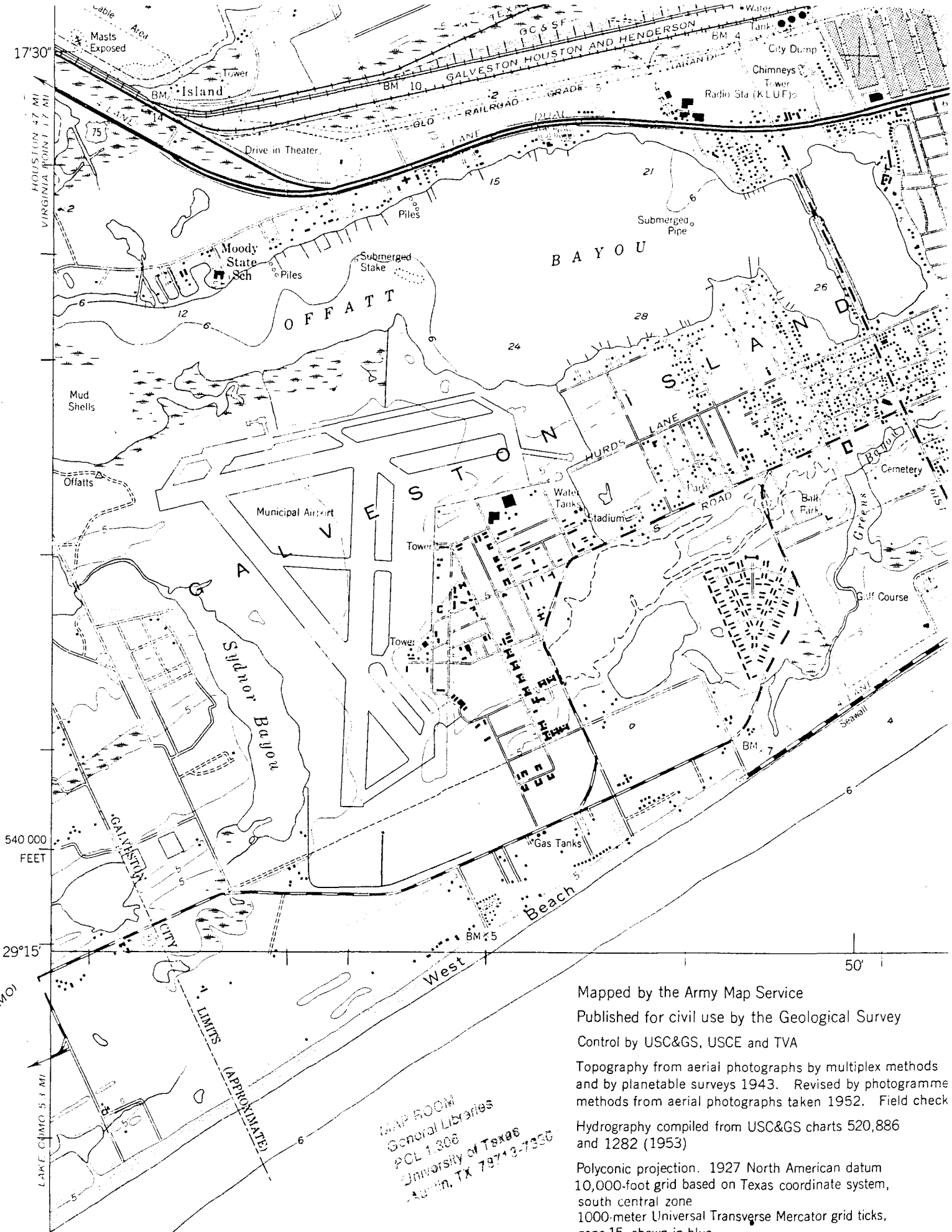
Inquiry Number: 1096961-5

***The Source
For Environmental
Risk Management
Data***

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802



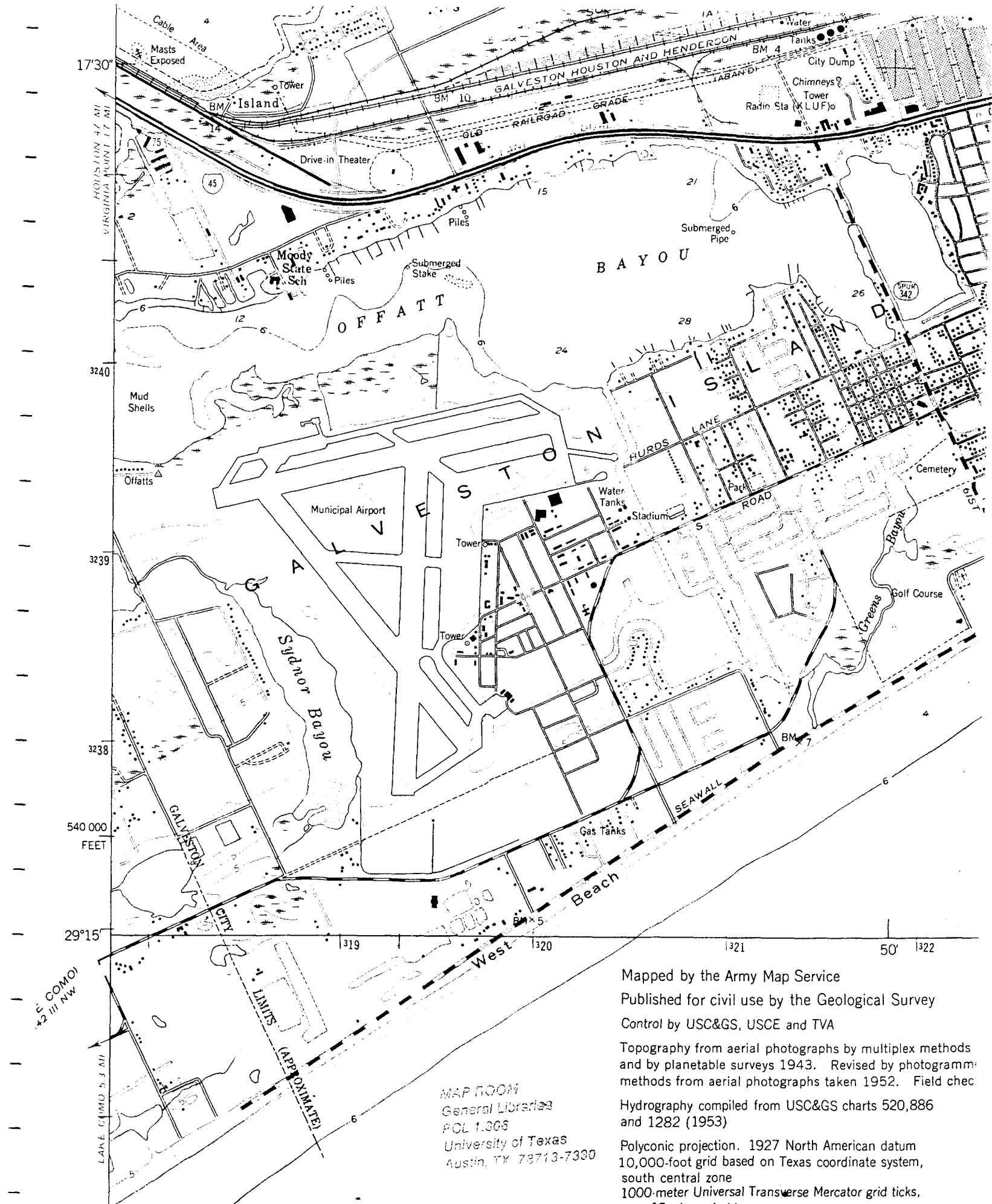
Mapped by the Army Map Service
 Published for civil use by the Geological Survey
 Control by USC&GS, USCE and TVA
 Topography from aerial photographs by multiplex methods
 and by planetable surveys 1943. Revised by photogramme
 methods from aerial photographs taken 1952. Field check
 Hydrography compiled from USC&GS charts 520,886
 and 1282 (1953)
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Texas coordinate system,
 south central zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 15, shown in blue
 Red tint indicates area in which only
 landmark buildings are shown

MAP ROOM
 General Libraries
 PCL 1.306
 University of Texas
 Austin, TX 78713-7550

94°52'30"

NOV 18 1968

1954



Mapped by the Army Map Service
 Published for civil use by the Geological Survey
 Control by USC&GS, USCE and TVA

Topography from aerial photographs by multiplex methods
 and by planetable surveys 1943. Revised by photogrammetric
 methods from aerial photographs taken 1952. Field check

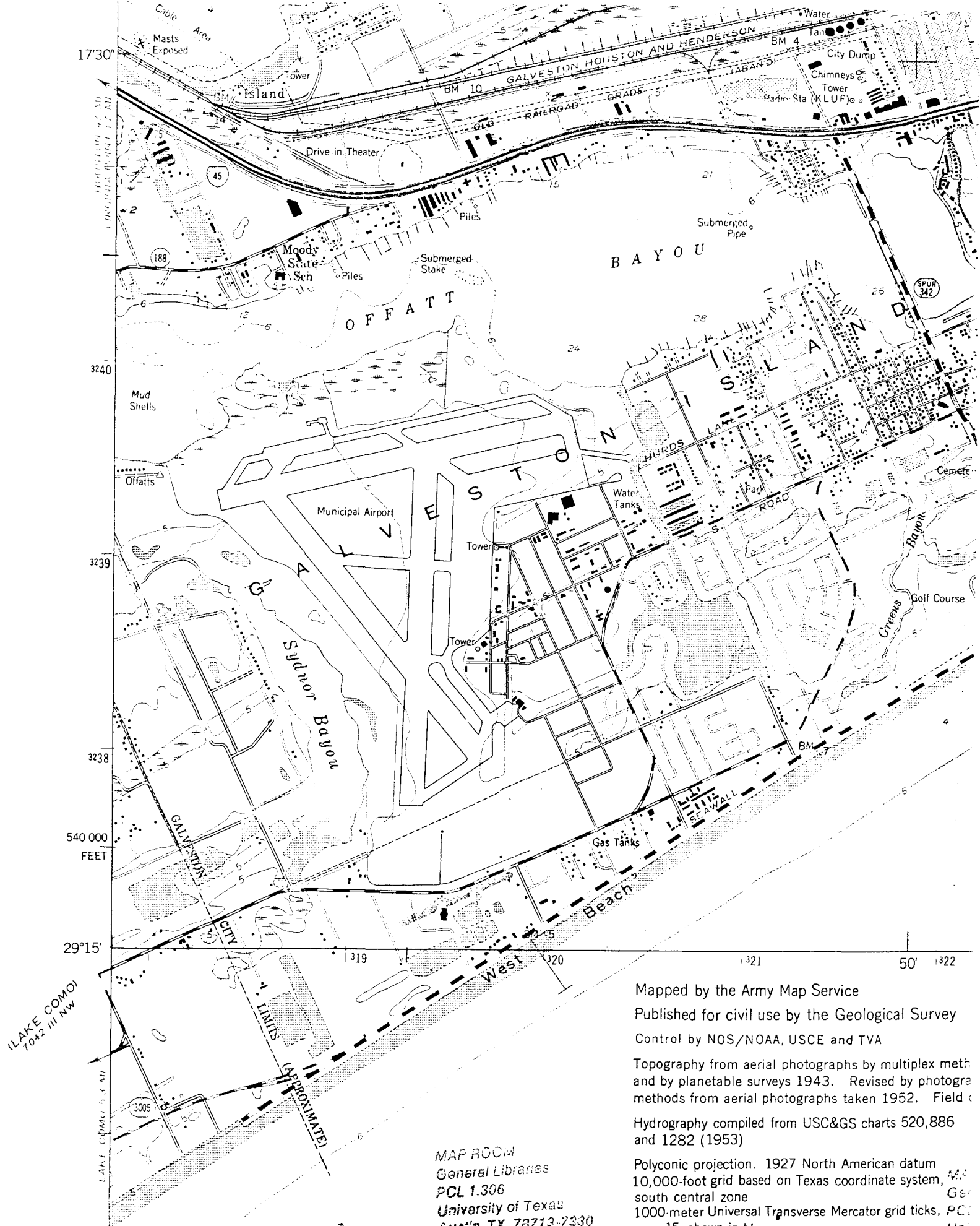
Hydrography compiled from USC&GS charts 520,886
 and 1282 (1953)

Polyconic projection. 1927 North American datum
 10,000-foot grid based on Texas coordinate system,
 south central zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 15, shown in blue

Red tint indicates area in which only
 landmark buildings are shown

MAP ROOM
 General Libraries
 POL 1.365
 University of Texas
 Austin, TX 78713-7330

1969

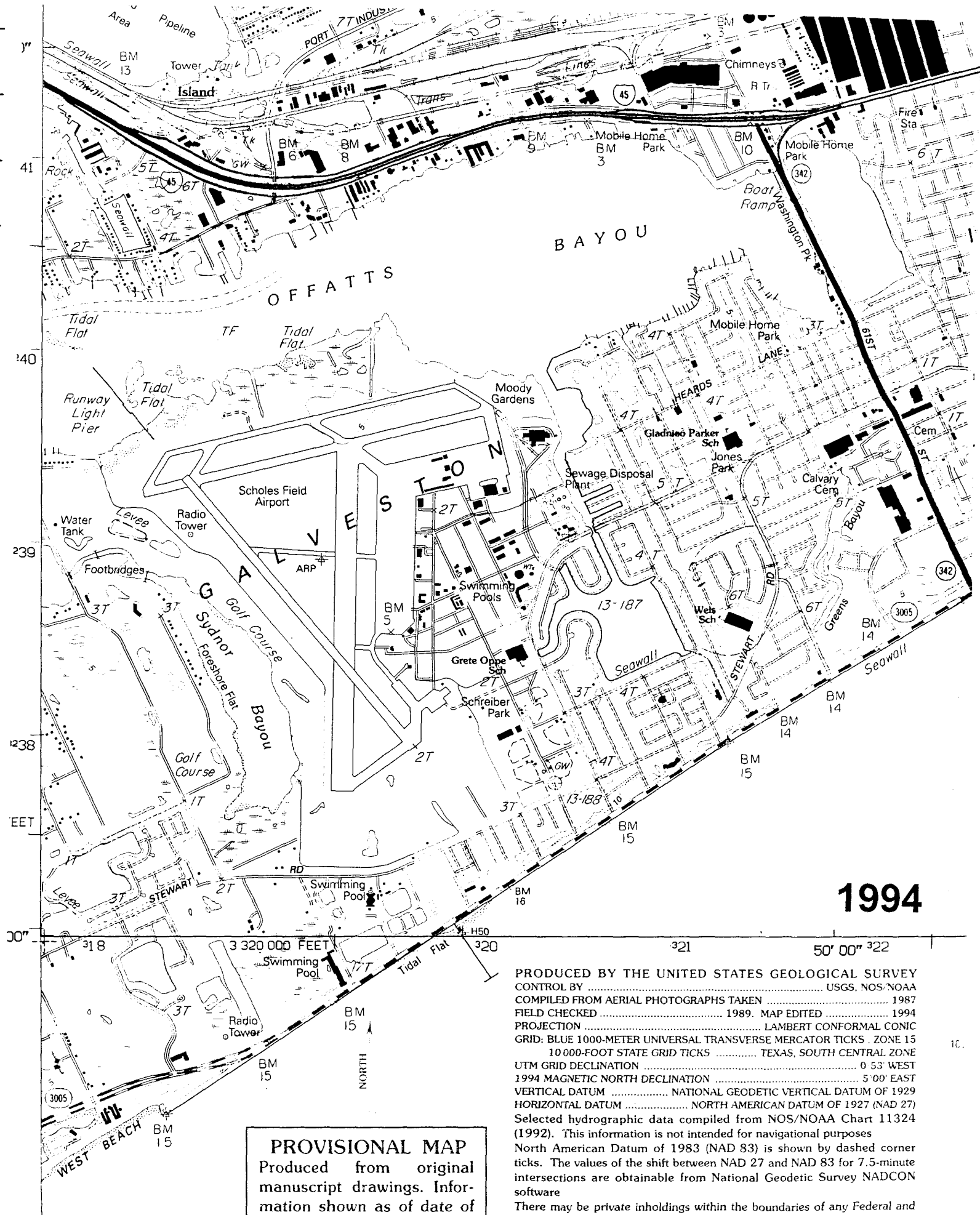


94°52'30"

1974

Mapped by the Army Map Service
 Published for civil use by the Geological Survey
 Control by NOS/NOAA, USCE and TVA
 Topography from aerial photographs by multiplex method
 and by planetable surveys 1943. Revised by photographic
 methods from aerial photographs taken 1952. Field
 Hydrography compiled from USC&GS charts 520,886
 and 1282 (1953)
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Texas coordinate system,
 south central zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 15, shown in blue
 Red tint indicates area in which only
 landmark buildings are shown.

MA
Ge
PC
Un
Aus



1994

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
photography. 1

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1987
FIELD CHECKED 1989. MAP EDITED 1994
PROJECTION LAMBERT CONFORMAL CONIC
GRID: BLUE 1000-METER UNIVERSAL TRANSVERSE MERCATOR TICKS, ZONE 15
10 000-FOOT STATE GRID TICKS TEXAS, SOUTH CENTRAL ZONE
UTM GRID DECLINATION 0 53' WEST
1994 MAGNETIC NORTH DECLINATION 5 00' EAST
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM NORTH AMERICAN DATUM OF 1927 (NAD 27)
Selected hydrographic data compiled from NOS/NOAA Chart 11324
(1992). This information is not intended for navigational purposes
North American Datum of 1983 (NAD 83) is shown by dashed corner
ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute
intersections are obtainable from National Geodetic Survey NADCON
software
There may be private inholdings within the boundaries of any Federal and
State reservations shown on this map
Gray tint indicates area in which selected buildings are shown
This map covers an active subsidence area. Evaluate relief and elevation
information based on recent sources

Environmental Data Resources, Inc. Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.2, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning and use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2 page 11.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.

APPENDIX C

Interview Records

Record of Communication

Date 12/8 and 12/15/03

Time 1:30 pm & 9 am

Type Telephone Interview Personal Interview E-mail

Subject Environmental Concerns (83rd Street and Cessna Drive)

Person Interviewed Mr. Hud Hopkins, Airport Manager

Agency Scholes International Airport

Phone Number 409-741-4609

Interview Summary

Q: When did the City started using the subject Site as the Material Yard (83rd Street and Cessna Drive – Galveston Material Yard)?

A: The Public Works Department began storing and dumping materials in 1986. Prior to that it was a vacant lot.

Q: How long has the present owner owned the property?

A: It was acquired by the US Army Air Corps during World War II, and returned to the City in 1946. The City has had title sense that time.

Q: Are you aware of any fuel, oil, chemicals being used or stored on this property?

A: Other than road asphalt, no.

Q: Are you aware of any above ground or below ground storage tanks?

A: No

Q: Are you aware of any landfills, dumps, or other waste disposal activities?

A: None other than dumping of construction debris, fill material, and storm sewer cleaning sludge by the City Public Works Department.

Q: Are you aware of any oil or gas wells or other types of exploration and production activities?

A: No

Q: Are you aware of any water wells on the property, public or private.

A: No

Q: Are you aware of any septic or wastewater treatment activities?

A: No

Q: Are you aware of any industrial or manufacturing activities at the site?

A: No

Q: Are you aware of any mining activities conducted at the site?

A: No

Q: Are you aware of any agricultural activities conducted at the site?

A: No

Q: Are you aware of any types of fertilizer or pesticide/herbicide use at the site?

A: No

Q: Are you aware of any cultural resources located on the site, such as Indian burial grounds, historical landmarks, cemeteries, etc.?

A: No

Q: Are you aware of any types of wetlands, rivers, creeks, or lakes or ponds located on the site?

A: No

Q: Are you aware of any wildlife preservation areas at the site?

A: No

Q: Are you aware of any high voltage power lines or any power sub-stations at the site?

A: A high power transmission line crosses the site south to north from a substation south of the site.

Q: Are you aware of any types of pipelines or pipeline right of ways?

A: A water line along the north side, with a branch into the site for truck washing.

Q: Are you aware of any types of railroads, rail spurs, etc that are on site?

A: No

Q: Are you aware of any types of Radio, cellular, microwave or other antennae stations?

A: No

Q: Do you know of any other environmental concerns at this property or adjacent properties?

A: Truck washout.

Follow up Required None

Interview Conducted by Win Turner, P.E.

Record of Communication

Date 12/18/03

Time 12:31 PM

Type Telephone Interview Personal Interview E-mail

Subject Emergency Response and/or Structural Fire

Person Interviewed Mr. Gilbert Robinson, Fire Marshall

Agency City of Galveston Fire Marshall's Office

Phone Number 409-797-3870

Interview Summary

Q: Have there been any emergency responses and/or structural fires reported at 83rd Street and Cessna Drive?

A: There is no reported incident at 83rd Street and Cessna Drive or Surrounding Area.

Follow up Required None

Interview Conducted by Josephine A. Ives

6511 Stewart Road, Suite 5
Galveston, Texas 77551
409-744-2081
409-740-0086 (Fax)
www.meridianalliance.com

Meridian Alliance Group, LLC

FACSIMILE

To: Gilbert Robinson From: Josephine Ives
Company: Fire Marshall Pages Including Cover Page: 5
Fax: 409-621-3194 Date: 12/18/03 Time: 12:31pm
Re: Emergency Response Info.

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

According to our records, there are no
fire incidents for this property.

HAVE A NICE DAY!

FAX COVER NOTICE OF CONFIDENTIALITY

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APPENDIX D

Site Photographs

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 1: Looking to the west. Storm Sewer Sludge Dump Area.



Photograph 2: Looking to the southwest. Construction Debris.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

Meridian Alliance Group, LLC

Page 1

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 3: Looking to the south. Construction Debris.



Photograph 4: Looking to the east. Construction Debris.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

Meridian Alliance Group, LLC

Page 2

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 5: Looking to the east. Construction Debris.



Photograph 6: Looking to the northeast. Construction Debris.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Page 3

Environmental Site Assessment Report City of Galveston Material Yard



Photograph 7: Looking to the northwest. Construction Debris.



Photograph 8: Looking to the southwest. Construction Debris.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

Meridian Alliance Group, LLC

Page 4

Environmental Site Assessment Report City of Galveston Material Yard



Photograph 9: Looking to the south. Construction Debris.



Photograph 10: Located on the southeast of the Site. Various sizes of storm sewer pipes.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

Meridian Alliance Group, LLC

Page 5

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 11: Looking to the northeast. More Storm sewer pipes.



Photograph 12: Looking to the north. Various type of debris and more storm sewer pipes.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

Meridian Alliance Group, LLC

Page 6

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 13: Looking to northeast. Asphalt and gravel stockpiles.



Photograph 14: Looking to the east. Construction Debris.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

Meridian Alliance Group, LLC

Page 7

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 15: Looking to the north. Asphalt stockpile and 5 gallon buckets of road repair.



Photograph 16: Looking to the southeast. Wood pilings.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Page 8

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 17: Looking to the south. Various types of wood pilings.



Photograph 18: More storm sewer pipes and debris.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Page 9

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 19: More storm sewer pipes. All over the subject Site.



Photograph 20: More construction debris located on the south side of the Site.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Page 10

Environmental Site Assessment Report City of Galveston Material Yard



Photograph 21: Looking to the southwest. Galveston Police Department's horse pasture.



Photograph 22: Looking to the south. Galveston Police Department's horse pasture.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Page 11

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 23: Looking to the south of the Site.



Photograph 24: Looking to the west. Construction Debris Mounds.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Page 12

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 25: Looking to the southeast



Photograph 26: Looking to the south. The entrance of the Galveston Police Department's Horse Stables.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

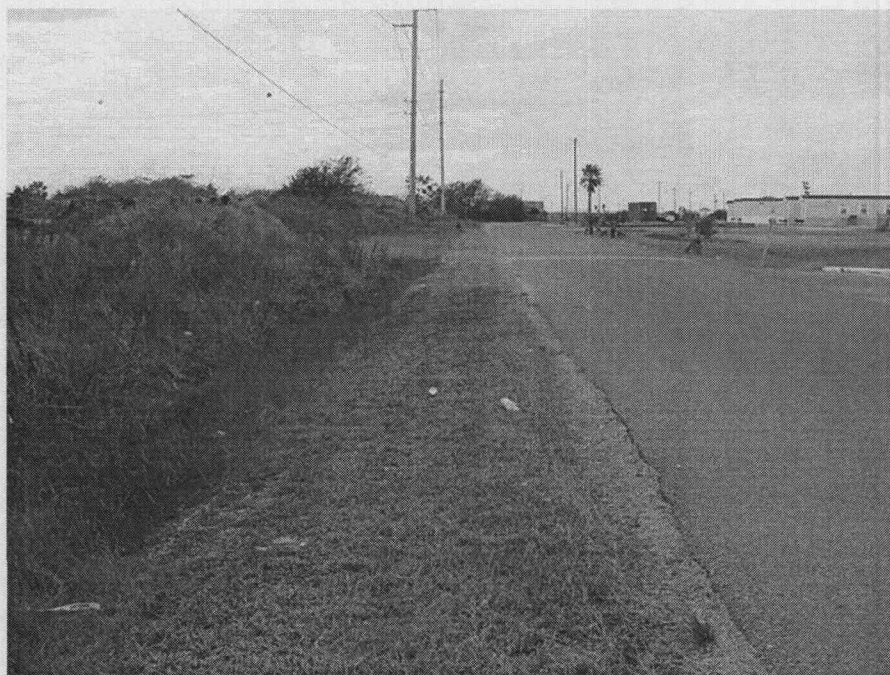
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Environmental Site Assessment Report City of Galveston Material Yard



Photograph 27: Looking to the east. Entrance of the Site.



Photograph 28: Looking to the west. Utilities run along the north and east side of the site. There are two fire hydrants located on the north side of the Site and across the street is the natural gas pipeline.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Environmental Site Assessment Report City of Galveston Material Yard



Photograph 29: Looking to the north. Storm sewer inlet located on the corner of 83rd Street and Cessna.



Photograph 30: Looking to the west. This portion of the Site is used by the Galveston Police Dept. for horse pasture.

Job No.:
09C000117

Prepared By:
JAI

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**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 31: Drainage ditch located on the west side of the Site.



Photograph 32: Looking to the north

Job No.:
09C000117

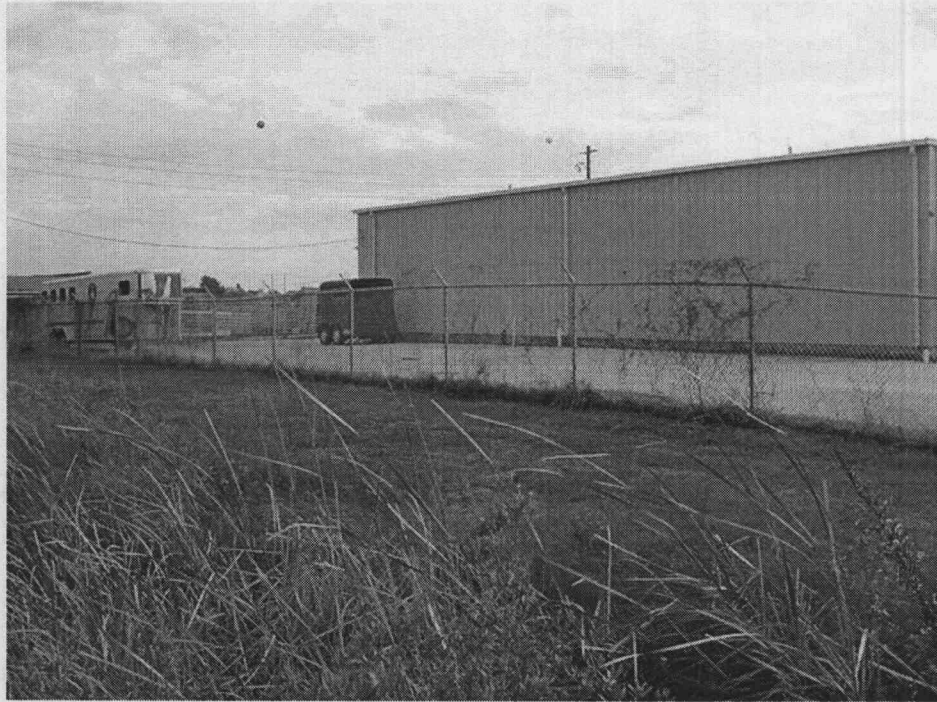
Prepared By:
JAI

Reviewed By:
JWT

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**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 33: Galveston Police Department's Horse Stables.



Photograph 34: Galveston Police Department's Horse Stables.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 35: Unreachable area of the subject Site.



Photograph 36: To the west of the Site.

Job No.:
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Prepared By:
JAI

Reviewed By:
JWT

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Page 18

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 37: West side of the Site. Phone cable locations.



Photograph 38: North side of the Site. Natural Gas Pipeline location.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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Page 19

**Environmental Site Assessment Report
City of Galveston Material Yard**



Photograph 39: West side of the Site.



Photograph 40: Electrical Substation located on the southwest side of the Site.

Job No.:
09C000117

Prepared By:
JAI

Reviewed By:
JWT

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APPENDIX E

Regulatory Review Documentation



The EDR Radius Map with GeoCheck®

**City of Galveston Material Yard
2529 83rd Street
Galveston, TX 77554**

Inquiry Number: 1096961.3s

December 10, 2003

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	A-8

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

2529 83RD STREET
GALVESTON, TX 77554

COORDINATES

Latitude (North): 29.263300 - 29° 15' 47.9"
Longitude (West): 94.852800 - 94° 51' 10.1"
Universal Tranverse Mercator: Zone 15
UTM X (Meters): 319976.6
UTM Y (Meters): 3238403.8
Elevation: 3 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 29094-C7 GALVESTON, TX
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... State Superfund Registry

EXECUTIVE SUMMARY

SWF/LF.....	Permitted Solid Waste Facilities
CLI.....	Closed Landfill Inventory
UST.....	Petroleum Storage Tank Database
TX VCP.....	Voluntary Cleanup Program Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
Delisted NPL.....	National Priority List Deletions
FINDS.....	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS.....	Hazardous Materials Information Reporting System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
NPL Liens.....	Federal Superfund Liens
PADS.....	PCB Activity Database System
DOD.....	Department of Defense Sites
US BROWNFIELDS.....	A Listing of Brownfields Sites
RAATS.....	RCRA Administrative Action Tracking System
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
FTTS INSP.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST.....	Petroleum Storage Tank Database
TX Spills.....	Spills Database
IOP.....	Innocent Owner/Operator Program
INST CONTROL.....	Sites with Institutional Controls
Multimedia.....	Multi Media Enforcement Cases
Ind. Haz Waste.....	Industrial & Hazardous Waste Database
WasteMgt.....	Commercial Hazardous & Solid Waste Management Facilities
AIRS.....	Current Emission Inventory Data

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas.....	Former Manufactured Gas (Coal Gas) Sites
---------------	--

BROWNFIELDS DATABASES

US BROWNFIELDS.....	A Listing of Brownfields Sites
Brownfields.....	Brownfields Site Assessments
TX VCP.....	Voluntary Cleanup Program Database

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL ASTM STANDARD

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 09/10/2003 has revealed that there is 1 RCRIS-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AIR LOGISTICS	8420 AIRPORT BLVD	1/8 - 1/4 N	2	6

STATE ASTM STANDARD

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Texas Commission on Environmental Quality's Leaking Petroleum Storage Tank Database.

A review of the LUST list, as provided by EDR, and dated 09/19/2003 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TRANSPORTATION DEPT	2929 83RD ST	1/8 - 1/4 SE	1	6
MOODY GARDENS DEVELOPMENT	GALVESTON M AIRPORT	1/4 - 1/2 NNE	3	6

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

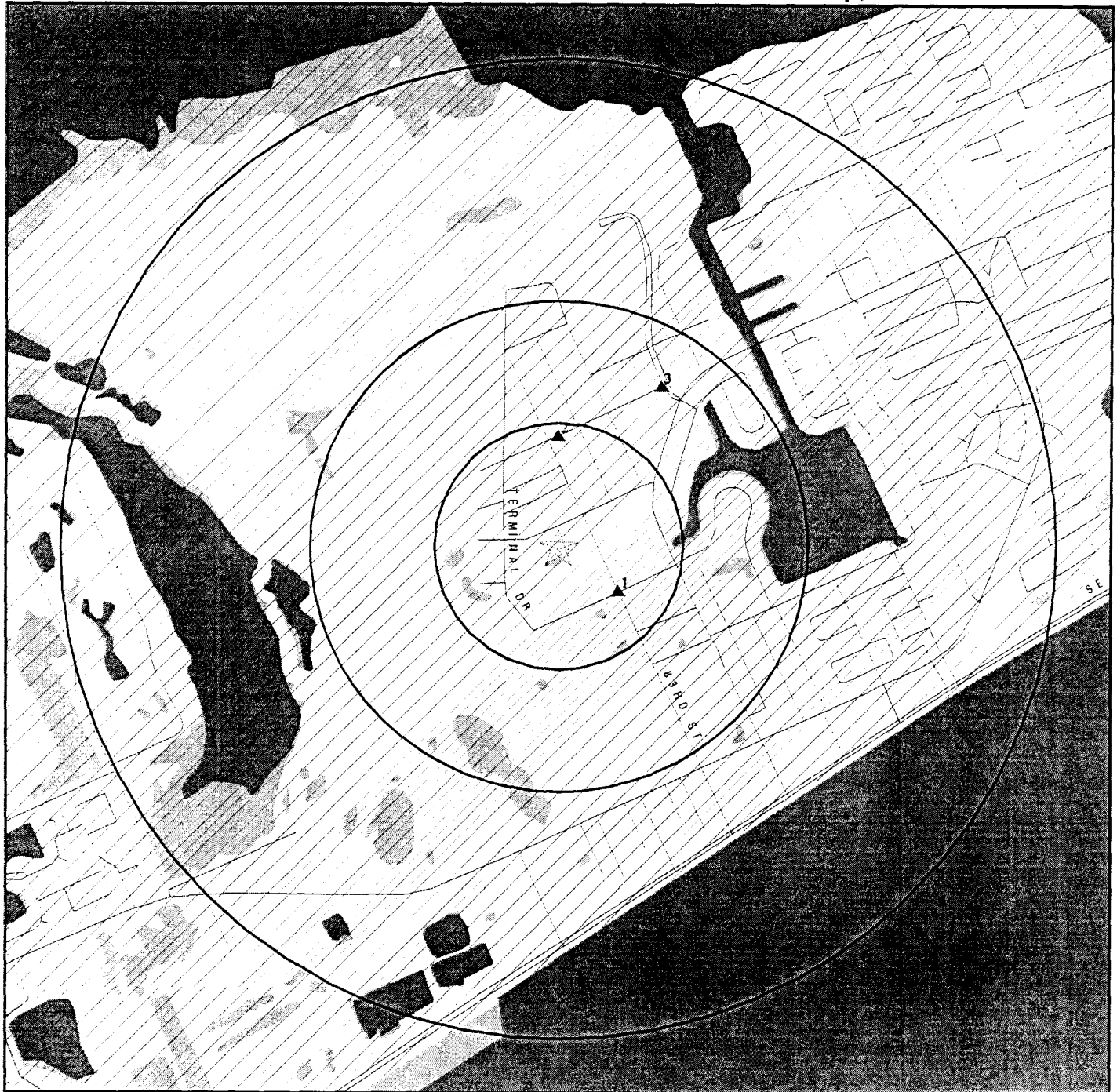
Site Name

Database(s)

FALSTAFF BREWING COMPANY
HOME DEPOT TRACT - GALVESTON
71ST STREET-POST OFFICE RD
GALVESTON COUNTY LANDFILL
GALVESTON COUNTY LANDFILL
5515 PORT INDUSTRIAL BLVD.
AT THE 700 BLOCK OF PORT INDUS
GALVESTON FIRE DEPT TRAINING FLD
PETROLEUM HELICOPTERS INC
GALVEZ MALL
SPTCO GALVESTON WHARVES SITE
TEXAS CITY LAND
GALVESTON COUNTY DUMP
OLD GALVESTON LANDFILL
LEAGUE CITY
TEXAS CITY

INST CONTROL, TX VCP
INST CONTROL, TX VCP
SWF/LF
SWF/LF
SWF/LF
SWF/LF
SWF/LF
LUST
RCRIS-SQG, FINDS
TX VCP
TX VCP
CLI
CLI
CLI
CLI
CLI

OVERVIEW MAP - 1096961.3s - Meridian Alliance Group, LLC



- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

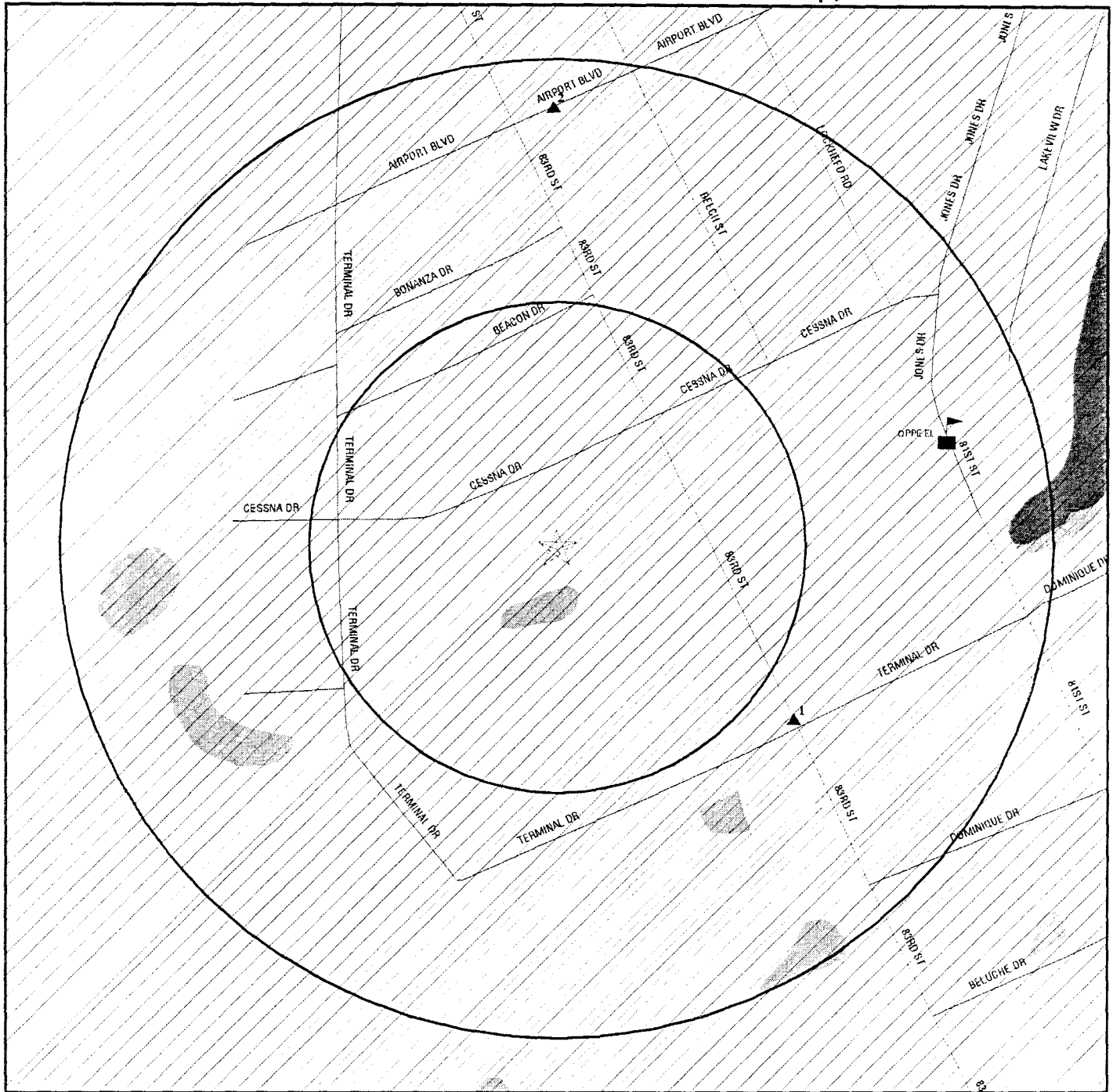
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands

0 1/4 1/2 1 Miles

TARGET PROPERTY: City of Galveston Material Yard
 ADDRESS: 2529 83rd Street
 CITY/STATE/ZIP: Galveston TX 77554
 LAT/LONG: 29.2633 / 94.8528

CUSTOMER: Meridian Alliance Group, LLC
 CONTACT: Josephine Ives
 INQUIRY #: 1096961.3s
 DATE: December 10, 2003 7:08 pm

DETAIL MAP - 1096961.3s - Meridian Alliance Group, LLC



- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands



TARGET PROPERTY: City of Galveston Material Yard
 ADDRESS: 2529 83rd Street
 CITY/STATE/ZIP: Galveston TX 77554
 LAT/LONG: 29.2633 / 94.8528

CUSTOMER: Meridian Alliance Group, LLC
 CONTACT: Josephine Ives
 INQUIRY #: 1096961.3s
 DATE: December 10, 2003 7:09 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CLI		0.500	0	0	0	NR	NR	0
LUST		0.500	0	1	1	NR	NR	2
UST		0.250	0	0	NR	NR	NR	0
TX VCP		0.500	0	0	0	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0
TX Spills		TP	NR	NR	NR	NR	NR	0
IOP		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.250	0	0	NR	NR	NR	0
Multimedia		TP	NR	NR	NR	NR	NR	0
Ind. Haz Waste		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
WasteMgt		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
TX VCP		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

EDR ID Number
EPA ID Number
Database(s)

1
SE
1/8-1/4
781 ft.

TRANSPORTATION DEPT
2929 83RD ST
GALVESTON, TX 77551

LUST S104993066
N/A

Relative:
Higher

LUST:

Facility ID: 0021920
Facility Location: 2929 83RD ST
Reported Date: 9/5/1997
Entered Date: 9/22/1997
RPR Coordinator: TW
Region: 12
Region City ID: HOUSTON
LPST Id: 112629
Responsible Party: GALVESTON ISD
RP Contact: MACK BRICE
RP Telephone: 409/740-1208
County Code: 084
RP Address: 2929 83RD ST
GALVESTON, TX 77554

Priority: GW IMPACTED, NO APPARENT THREATS OR IMPACTS TO RECEPTORS
Status: PREASSESSMENT/RELEASE DETERMINATION

2
North
1/8-1/4
1190 ft.

AIR LOGISTICS
8420 AIRPORT BLVD
GALVESTON, TX 77554

RCRIS-SQG 1004784870
FINDS TXD987982634

Relative:
Higher

RCRIS:

Owner: OFFSHORE LOGISTICS INC
(337) 233-1221
EPA ID: TXD987982634
Contact: JAMES RESTER
(409) 740-3546

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

3
NNE
1/4-1/2
2037 ft.

MOODY GARDENS DEVELOPMENT
GALVESTON M AIRPORT
GALVESTON, TX 77554

LUST S103395103
N/A

Relative:
Higher

LUST:

Facility ID: 0000036
Facility Location: GALVESTON MUNICIPAL AIRPORT
Reported Date: 3/19/1992
Entered Date: 4/23/1992
RPR Coordinator: RPR
Region: 12

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MOODY GARDENS DEVELOPMENT (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103395103

Region City ID: HOUSTON
LPST Id: 102375
Responsible Party: MOODY GARDENS INC
RP Contact: DOUG MCLEOD
RP Telephone: 409/744-4673
County Code: 084
RP Address: 1 HOPE BLVD
GALVESTON, TX 77554
Priority: MINOR SOIL CONTAMINATION - DOES NOT REQUIRE A RAP
Status: FINAL CONCURRENCE ISSUED, CASE CLOSED

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GALVESTON	S103865045	FALSTAFF BREWING COMPANY	33RD STREET AND CHURCH STREET		INST CONTROL, TX VCP
GALVESTON	S103259249	TEXAS CITY LAND	IH 45 / FM 2004		CLI
GALVESTON	S105050037	GALVESTON FIRE DEPT TRAINING FLD	59TH	77551	LUST
GALVESTON	S105242310		71ST STREET-POST OFFICE RD		SWF/LF
GALVESTON	S103259235	GALVESTON COUNTY DUMP	DIRECTLY S OF 7 MILE ROAD/ FM3		CLI
GALVESTON	S105957121	GALVESTON COUNTY LANDFILL	1500'S OF FMH 1764, 1.5M SW OF		SWF/LF
GALVESTON	S105242686	GALVESTON COUNTY LANDFILL	1.5M W IH45 / FMH1764&FM2004 I		SWF/LF
GALVESTON	S103259305	OLD GALVESTON LANDFILL	N.OF PORT INDUSTRIAL BLVD., S.		CLI
GALVESTON	S103259231	LEAGUE CITY	1 MI NE OF CITY HALL		CLI
GALVESTON	S105516599	HOME DEPOT TRACT - GALVESTON	NEC IH-45 AND 65TH STREET		INST CONTROL, TX VCP
GALVESTON	S105516620	GALVEZ MALL	NWC 61ST STREET AND IH-45S		TX VCP
GALVESTON	S103865332	SPTCO GALVESTON WHARVES SITE	4100 OLD PORT INDUSTRIAL BOULE		TX VCP
GALVESTON	S105242307		5515 PORT INDUSTRIAL BLVD.	77554	SWF/LF
GALVESTON	S103259233	TEXAS CITY	W SIDE OF BAY STREET EXTENSION		CLI
GALVESTON	1004786266	PETROLEUM HELICOPTERS INC	2115 TERMINAL RD NO 19	77554	RCRIS-SQG, FINDS
GALVESTON	S105957590		AT THE 700 BLOCK OF PORT INDUS		SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/21/03
Date Made Active at EDR: 12/08/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/03/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 11/03/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/14/03
Date Made Active at EDR: 12/08/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/01/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 11/03/03

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/11/03
Date Made Active at EDR: 10/29/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 09/24/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/03
Date Made Active at EDR: 10/29/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 09/24/03

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/17/03
Date Made Active at EDR: 11/11/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/01/03
Elapsed ASTM days: 41
Date of Last EDR Contact: 09/08/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/03
Date Made Active at EDR: 10/01/03
Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/11/03
Elapsed ASTM days: 20
Date of Last EDR Contact: 11/18/03

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 10/27/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 10/01/03
Date of Next Scheduled EDR Contact: 12/15/03

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/09/03

Database Release Frequency: Annually

Date of Last EDR Contact: 10/08/03

Date of Next Scheduled EDR Contact: 01/05/04

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/03

Date of Next Scheduled EDR Contact: 02/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/03

Date of Next Scheduled EDR Contact: 01/05/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 08/11/03

Database Release Frequency: Annually

Date of Last EDR Contact: 10/23/03

Date of Next Scheduled EDR Contact: 01/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/16/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/03

Date of Next Scheduled EDR Contact: 01/05/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/27/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/01/03

Date of Next Scheduled EDR Contact: 12/29/03

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/21/03
Date of Next Scheduled EDR Contact: 02/23/04

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

DOD: Department of Defense Sites

Source: USGS

Telephone: 703-648-5920

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency

Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

RMP: Risk Management Plans

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/08/03

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 10/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/19/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

STATE OF TEXAS ASTM STANDARD RECORDS

SHWS: State Superfund Registry

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5680

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 09/22/03
Date Made Active at EDR: 11/24/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/15/03
Elapsed ASTM days: 40
Date of Last EDR Contact: 10/15/03

SWF/LF: Permitted Solid Waste Facilities

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6706

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/01/03
Date Made Active at EDR: 09/19/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/29/03
Elapsed ASTM days: 21
Date of Last EDR Contact: 11/24/03

CLI: Closed Landfill Inventory

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6016

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas.

Date of Government Version: 08/30/99
Date Made Active at EDR: 10/30/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/28/00
Elapsed ASTM days: 32
Date of Last EDR Contact: 11/03/03

LUST: Leaking Petroleum Storage Tank Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2200

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/19/03
Date Made Active at EDR: 12/05/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/11/03
Elapsed ASTM days: 24
Date of Last EDR Contact: 10/27/03

UST: Petroleum Storage Tank Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/31/03
Date Made Active at EDR: 12/05/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/11/03
Elapsed ASTM days: 24
Date of Last EDR Contact: 10/27/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 09/03/03
Date Made Active at EDR: 11/24/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/03/03
Elapsed ASTM days: 21
Date of Last EDR Contact: 11/03/03

STATE OF TEXAS ASTM SUPPLEMENTAL RECORDS

AST: Petroleum Storage Tank Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160

Registered Aboveground Storage Tanks.

Date of Government Version: 10/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

SPILLS: Spills Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0983

Date of Government Version: 08/15/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

IOP: Innocent Owner/Operator Program

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5894

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Date of Government Version: 11/11/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/12/03
Date of Next Scheduled EDR Contact: 02/09/04

INST CONTROL: Sites with Institutional Controls

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891

Date of Government Version: 10/28/03
Database Release Frequency: Varies

Date of Last EDR Contact: 10/24/03
Date of Next Scheduled EDR Contact: 02/02/04

Multimedia: Multi Media Enforcement Cases

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6012

Any enforcement case with more than one media (water, waste, etc.) violation.

Date of Government Version: 08/29/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

Ind. Haz Waste: Industrial & Hazardous Waste Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0985

Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 11/03/03
Date of Next Scheduled EDR Contact: 02/02/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WASTEMGT: Commercial Hazardous & Solid Waste Management Facilities

Source: Texas Commission on Environmental Quality

Telephone: 512-239-2920

This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 06/01/98

Database Release Frequency: Varies

Date of Last EDR Contact: 11/03/03

Date of Next Scheduled EDR Contact: 02/02/04

AIRS: Current Emission Inventory Data

Source: Texas Commission on Environmental Quality

Telephone: N/A

The database lists by company, along with their actual emissions, the TNRCC air accounts that emit EPA criteria pollutants.

Date of Government Version: 07/25/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/13/03

Date of Next Scheduled EDR Contact: 01/12/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

Brownfields: Brownfields Site Assessments

Source: TCEQ

Telephone: 512-239-5872

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 06/13/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/07/03

Date of Next Scheduled EDR Contact: 02/02/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

VCP: Voluntary Cleanup Program Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 09/03/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/03
Date of Next Scheduled EDR Contact: 02/02/04

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services
Telephone: 512-438-3269

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CITY OF GALVESTON MATERIAL YARD
2529 83RD STREET
GALVESTON, TX 77554

TARGET PROPERTY COORDINATES

Latitude (North):	29.263300 - 29° 15' 47.9"
Longitude (West):	94.852798 - 94° 51' 10.1"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	319976.6
UTM Y (Meters):	3238403.8
Elevation:	3 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

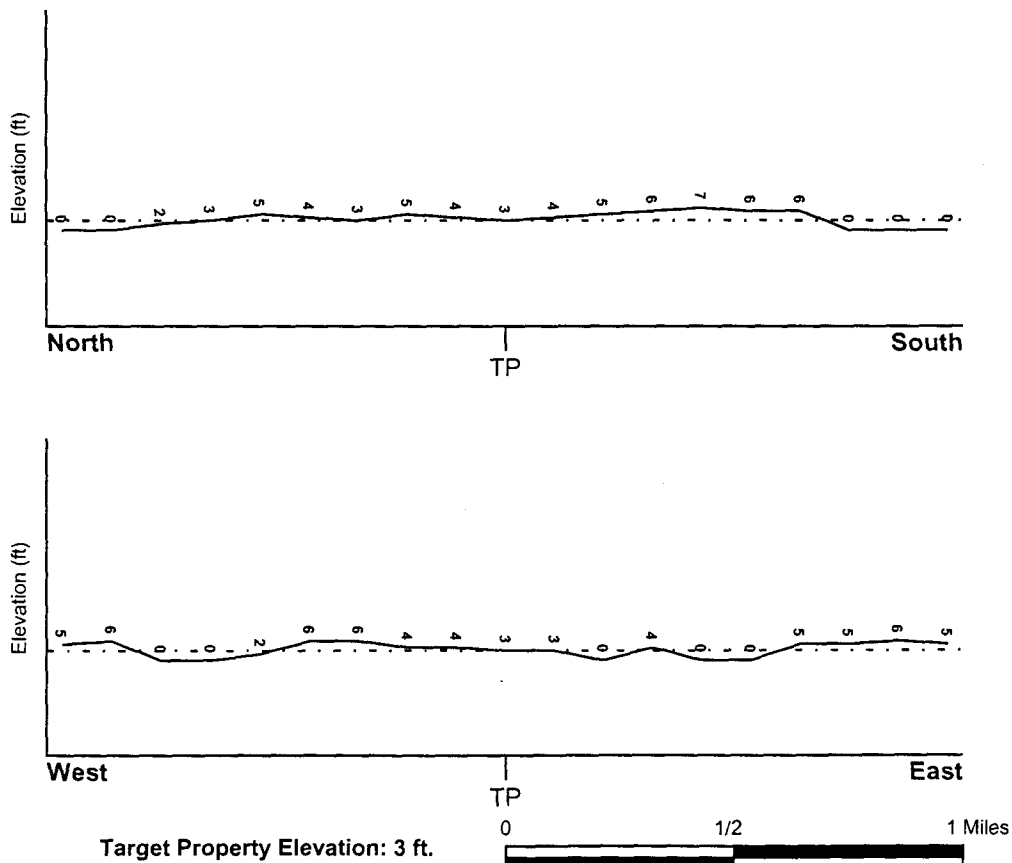
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 29094-C7 GALVESTON, TX
General Topographic Gradient: General ENE
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> GALVESTON, TX	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	4854690023D
Additional Panels in search area:	4854690024D 4854690047D

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> GALVESTON	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	---

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Holocene
Code: Qh (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

No soil data reported.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

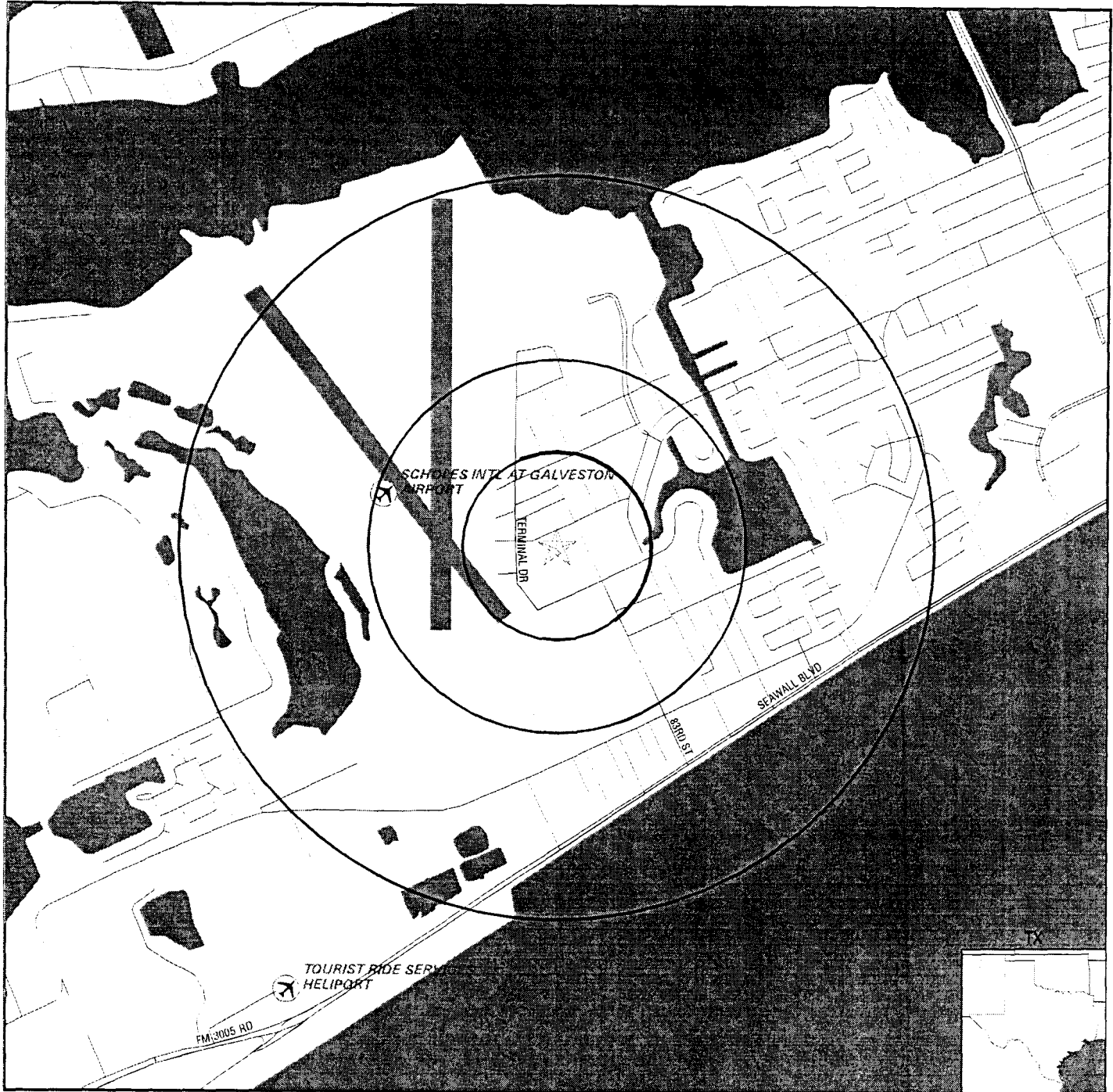
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1096961.3s



- | | |
|--|--|
| <ul style="list-style-type: none"> County Boundary Major Roads Contour Lines Airports Earthquake epicenter, Richter 5 or greater Water Wells Public Water Supply Wells Cluster of Multiple Icons | <ul style="list-style-type: none"> Groundwater Flow Direction Indeterminate Groundwater Flow at Location Groundwater Flow Varies at Location Closest Hydrogeological Data Oil or gas wells (in certain Texas counties) |
|--|--|

No contour lines were detected within this map area.

TARGET PROPERTY: City of Galveston Material Yard ADDRESS: 2529 83rd Street CITY/STATE/ZIP: Galveston TX 77554 LAT/LONG: 29.2633 / 94.8528	CUSTOMER: Meridian Alliance Group, LLC CONTACT: Josephine Ives INQUIRY #: 1096961.3s DATE: December 10, 2003 7:09 pm
--	---

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: TX Radon

Radon Test Results

County	Mean	Total Sites	%>4 pCi/L	%>20 pCi/L	Min pCi/L	Max pCi/L
GALVESTON	<.5	33	.0	.0	<.5	.9

Federal EPA Radon Zone for GALVESTON County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 77554

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Texas Groundwater Database

Source: Texas Water Development Board
Telephone: 512-936-0837

Texas Oil and Gas Wells: Inventory of oil and gas wells in select Texas counties
Source: Texas Railroad Commission

Texas Public Water Supply Database on Ground and Surface Water
Source: Texas Commission on Environmental Quality

RADON

State Database: TX Radon

Source: Department of Health
Telephone: 512-834-6688
Final Report of the Texas Indoor Radon Survey

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration



EDR Site Report™

**PETROLEUM HELICOPTERS INC
2115 TERMINAL RD NO 19
GALVESTON, TX 77554**

Inquiry Number:

December 11, 2003

***The Source
For Environmental
Risk Management
Data***

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. Page 6

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1
AREA	PETROLEUM HELICOPTERS INC 2115 TERMINAL RD NO 19 GALVESTON, TX 77554 EDR ID #1004786266 EPA #TXD988066015
WASTE MANAGEMENT	
Facility generates hazardous waste (RCRIS)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDf)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL	
Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA	
Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p5
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY	
Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	2

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information System (RCRIS)

PETROLEUM HELICOPTERS INC
2115 TERMINAL RD NO 19
GALVESTON, TX 77554
EDR ID #1004786266

Facility Name: PETROLEUM HELICOPTERS INC
2115 TERMINAL RD NO 19
GALVESTON, TX 77554

Mailing Address: PO BOX 90808
LAFAYETTE, LA 70509

Contact: JAMES LOWERY
(337) 235-2452

EPA-ID: TXD988066015

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler:
- generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or
- generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time:
- 1 kg or less of acutely hazardous waste; or
- 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or
- generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time:
- 1 kg or less of acutely hazardous waste; or
- 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Legal Status: Municipal

Owner: GALVESTON AIRPORT COMMISSION
PO BOX 3266
GALVESTON, TX 00000
000000000

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

PETROLEUM HELICOPTERS INC
2115 TERMINAL RD NO 19
GALVESTON, TX 77554
EDR ID #1004786266

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report. Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registry ID: 110006131060

Facility Name: PETROLEUM HELICOPTERS INC
Facility Address: 2115 TERMINAL RD NO 19
GALVESTON, TX 77554
Facility County: GALVESTON
Facility EPA Region: 06
US Fed Gov Facility: No
Indian Tribal Land: Not reported

EPA Records Indicate Facility Is Listed In:
Resource Conservation and Recovery Act Information system (RCRAINFO)

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System

Source: EPA

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 11/18/2003
Date of Next Scheduled Update: 01/19/2004

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/2001
Database Release Frequency: Biennially

Date of Last EDR Contact: 10/01/2003
Date of Next Scheduled Update: 12/15/2003

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/08/2003
Date of Next Scheduled Update: 12/08/2003

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/17/2003
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/08/2003
Date of Next Scheduled Update: 12/08/2003

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/30/2003
Database Release Frequency: Annually

Date of Last EDR Contact: 11/12/2003
Date of Next Scheduled Update: 02/09/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/16/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/2003
Date of Next Scheduled Update: 01/05/2004

TX AST: Petroleum Storage Tank Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Registered Aboveground Storage Tanks.

Date of Government Version: 10/31/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/27/2003
Date of Next Scheduled Update: 01/26/2004

TX UST: Petroleum Storage Tank Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/31/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/27/2003
Date of Next Scheduled Update: 01/26/2004

TX LUST: Leaking Petroleum Storage Tank Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2200

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/19/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/27/2003
Date of Next Scheduled Update: 01/26/2004

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2002
Database Release Frequency: Annually

Date of Last EDR Contact: 10/27/2003
Date of Next Scheduled Update: 01/26/2004

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 08/11/2003
Database Release Frequency: Annually

Date of Last EDR Contact: 10/23/2003
Date of Next Scheduled Update: 01/19/2004

WASTE DISPOSAL

NPL: National Priority List

Source: EPA

Telephone: Not reported

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/21/2003
Date Made Active at EDR: 12/08/2003
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/03/2003
Elapsed ASTM Days: 35
Date of Last EDR Contact: 11/03/2003

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

PROPOSED NPL: Proposed National Priority List Sites

Source: EPA
Telephone: Not reported

Date of Government Version: 10/14/2003
Date Made Active at EDR: 12/08/2003
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/01/2003
Elapsed ASTM Days: 7
Date of Last EDR Contact: 11/03/2003

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: Not reported

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/21/2003
Date Made Active at EDR: 12/08/2003
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/03/2003
Elapsed ASTM Days: 35
Date of Last EDR Contact: 11/03/2003

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA
Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/11/2003
Date Made Active at EDR: 10/29/2003
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/2003
Elapsed ASTM Days: 35
Date of Last EDR Contact: 09/24/2003

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA
Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 09/11/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/24/2003
Date of Next Scheduled Update: 12/22/2003

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 11/21/2003

TX SHWS: State Superfund Registry

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5680

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 09/22/2003
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/15/2003
Date of Next Scheduled Update: 01/12/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

TX SWF/LF: Permitted Solid Waste Facilities

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6706

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/01/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/24/2003
Date of Next Scheduled Update: 02/23/2004

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2001
Database Release Frequency: Annually

Date of Last EDR Contact: 09/23/2003
Date of Next Scheduled Update: 12/22/2003

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2001
Database Release Frequency: Annually

Date of Last EDR Contact: 10/20/2003
Date of Next Scheduled Update: 01/19/2004

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/1998
Database Release Frequency: N/A

Date of Last EDR Contact: 09/02/2003
Date of Next Scheduled Update: 12/08/2003

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/16/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/2003
Date of Next Scheduled Update: 12/22/2003

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 10/16/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/2003
Date of Next Scheduled Update: 12/22/2003

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/2003
Date of Next Scheduled Update: 01/05/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

TX SPILLS: Spills Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0983

Date of Government Version: 08/15/2002
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/2003
Date of Next Scheduled Update: 12/22/2003

TX INST CONTROL: Sites with Institutional Controls

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891

Date of Government Version: 10/28/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 10/24/2003
Date of Next Scheduled Update: 02/02/2004

TX BROWNFIELDS: Brownfields Site Assessments

Source: TCEQ
Telephone: 512-239-5872
Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 06/13/2003
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/07/2003
Date of Next Scheduled Update: 02/02/2004

TX WASTEMGT: Commercial Hazardous & Solid Waste Management Facilities

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2920
This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 06/01/1998
Database Release Frequency: Varies

Date of Last EDR Contact: 11/03/2003
Date of Next Scheduled Update: 02/02/2004

TX VCP: Voluntary Cleanup Program Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891
The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 09/03/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/03/2003
Date of Next Scheduled Update: 02/02/2004

TX IHW: Industrial & Hazardous Waste Database

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0985
Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 12/31/2002
Database Release Frequency: Annually

Date of Last EDR Contact: 11/03/2003
Date of Next Scheduled Update: 02/02/2004

TX MM: Multi Media Enforcement Cases

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6012
Any enforcement case with more than one media (water, waste, etc.) violation.

Date of Government Version: 08/29/2003
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/08/2003
Date of Next Scheduled Update: 12/08/2003

TX CLI: Closed Landfill Inventory

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6016
Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas.

Date of Government Version: 08/30/1999
Database Release Frequency: Varies

Date of Last EDR Contact: 11/03/2003
Date of Next Scheduled Update: 02/02/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties

Source: EPA

Telephone: 202-564-6064

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/03/2003

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/08/2003

Date of Next Scheduled Update: 01/05/2004

APPENDIX F

Additional Information

GALVESTON COUNTY HEALTH DISTRICT

4C's Clinics, Public Health Programs, Galveston E.M.S.

Harlan "Mark" Guidry, MD, MPH
Executive Director



Warren J. Holland III
Chief Operating Officer

Umar Shah, MD, MPH
4C's Medical Director

www.gchd.org

December 16, 2003

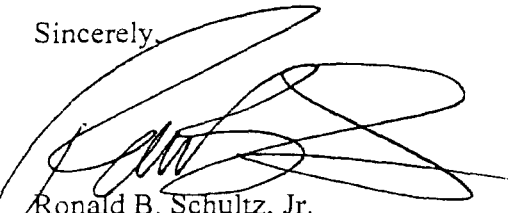
Ms. Josephine Ives
Meridian Alliance Group, LLC
409-740-0086

Dear Ms. Ives:

In response to your request about any reported environmental health risks associated with a property located **83rd Street and Cessna Drive, Galveston, Galveston County**, the Galveston County Health District Pollution Control Division to the best of our knowledge has no reports of environmental incidents involving hazardous material spillage or any environmental incidents that contributed to current or historical contamination on that property.

If you should require any additional information, please call this office at (409) 938-2251.

Sincerely,


Ronald B. Schultz, Jr.
Pollution Control Director
Galveston County Health District

P.O. BOX 939 • LA MARQUE, TEXAS 77568 • (409) 938-7221



December 12, 2003

Ms. Josephine Ives
Meridian Alliance Group
6511 Stewart Road, Suite 5
Galveston, Texas 77551
Fax (409) 740-0086

**SUBJECT: CUSTOMER INQUIRY, POTENTIAL PCB CONTENT OF CENTERPOINT ENERGY
HOUSTON ELECTRIC, LLC OWNED TRANSFORMERS**

2529 83rd Street (and the surrounding area)
Galveston, Texas 77554

Dear Ms. Ives:

This letter is in response to your request of December 10, 2003 regarding the ownership of the transformer's at the subject property location. CenterPoint Energy Houston Electric, LLC owns and operates the majority but not all transformers located in its service territory (some transformers are "customer owned").

Polychlorinated Biphenyl (PCB) containing electrical equipment is regulated by the Environmental Protection Agency (EPA) under the Toxic Substance Control Act (TSCA). CenterPoint Energy Houston Electric, LLC follows these regulations. Under TSCA, mineral oil transformers are considered "PCB contaminated" (having a PCB content greater than or equal to 50 parts per million but less than 500 parts per million) unless the PCB content is ascertained either by testing or review of specific manufacturer records. However, TSCA also allows such transformers to be utilized for the remainder of their useful lives with no requirement for record keeping or testing. Consequently, it is not our policy to test transformers for actual PCB content.

Ownership verification of specific transformers requires extensive research and at times actual field investigation is necessary. The charge for the research regarding the specific transformer(s) that you have inquired is \$100.00. If you would like us to conduct the research, please contact Ms. Mary Price at CenterPoint Energy Houston Electric, LLC at 713-945-8042. Ms. Price will be pleased to forward the necessary authorization forms and payment requirements to you.

Detailed information regarding the possible PCB content in the transformers may require actual sampling and analyses of the mineral oil in the transformer and/or associated documentation verifications. The minimum charge is \$450.00. However, the cost is site specific and will vary depending on several factors including the amount of field work required, deployment of personnel, and a requirement to de-energize the circuit in order to obtain a sample. If you would like to obtain an estimate for this work, please contact Ms. Price at 713-945-8042.

Should you have any questions, please feel free to contact Ms. Price or myself at 713-945-7360.

Sincerely,

A handwritten signature in black ink that reads "R. C. Patyrak". The signature is written in a cursive, flowing style.

R. C. Patyrak, P.E.
Supervising Engineer
Environmental



"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Josephine Ives

Meridian Alliance Group, LLC

6511 Stewart Road

Galveston, TX 77551

Order Date: 12/10/2003 **Completion Date:** 12/11/2003 3:35

Inquiry #: 1096961.4S

P.O. #: 09C000117

Site Name: City of Galveston Material Yard

Address: 2529 83rd Street

City/State: Galveston, TX 77554

Customer Project: 09C000117

1017834KFG

409-774-2081

Cross Streets: 83rd/Cessna Drive

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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APPENDIX G

Qualifications of the Assessors

Qualifications of the Assessors

Overview

Meridian Alliance Group, LLC (MAG) provides comprehensive environmental engineering, consulting, project management and field services. Our client base includes large petroleum, petrochemical and chemical industries; small petroleum product distributors; municipalities; state and federal agencies; small businesses; and private individuals. MAG Environmental personnel are experienced in investigating, evaluating, designing and implementing solutions for cleanup of difficult to manage hazardous waste sites. This experience has earned MAG a strong reputation with our clients, the local community and regulators. MAG is a TNRCC Registered Corrective Action Specialist and Corrective Action Project Manager.

J. W. (Win) Turner, P.E., CAPM

Mr. Turner has thirty years of experience in engineering and construction with more than fifteen years in the environmental services industry. His environmental expertise is in the areas of waste management and treatment, regulatory negotiation and permitting, remediation, and petrochemical plant environmental services. Mr. Turner has served in positions from Design Engineer to Project Manager and Project Director on many large hazardous and industrial waste management and remediation projects. He served as Business Unit Manager for the Remediation and Field Services group of an environmental services subsidiary of Amoco. Mr. Turner has a B.S. in Engineering Technology from Oklahoma State University, and a Masters in Environmental Policy and Management from the University of Denver. He is a registered Professional Engineer in Oklahoma, Texas, Colorado and Louisiana, and a registered Corrective Action Project Manager in Texas.

Josephine A. Ives

Ms. Josephine Ives is an Environmental Specialist with six years of experience in the environmental services industry. Ms. Ives specializes in property transfer

transactions, and has performed and/or assisted in the performance of numerous Phase 1 and Phase 2 environmental site assessments, environmental data evaluations and analyses, regulatory compliance reviews, soil and groundwater sampling and monitoring, and the development of site assessment reports and corrective action plans for the cleanup of contaminated sites. Ms. Ives has completed coursework in criminal justice and real estate at the College of the Mainland in Texas City, TX, and is a Licensed Realtor in the State of Texas.

Jason W. Turner

Mr. Jason W. Turner is an Environmental Scientist with a strong background in the areas of environmental and safety compliance. Mr. Turner's environmental background includes environmental data assessment and evaluation, soil and groundwater monitoring, site investigations and inspections, hazardous materials response training, hazardous materials transportation and paperwork, as well as corrective action plan developments for cleanup of contaminated sites and Phase 1 and Phase 2 environmental site assessments. He has also been involved with all aspects of the leaking petroleum storage tank clean up program thru the TCEQ. Mr. Turner also has a background in safety management. His previous experience has included such tasks as compliance with federal DOT regulations, training and enforcement including hazardous materials training, Process Safety Management, Fire Safety Training, and all aspects of NFPA 101 and NFPA 30. Mr. Turner is a member of the National Safety Council, Texas City Contractors Safety Council, and the Houston Area Contractors Safety Council. He is also a certified instructor for HAZWOPER 40 Hour, Lift Truck Operations, Class 8 Semi-Truck Instructor, and Defensive Driving Instructor. Mr. Turner also holds a Class "A" commercial drivers license with all endorsements.